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EASINGTON RURAL DISTRICT

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REPORT

OF THE

MEDICAL OFFICER

OF HEALTH

FOR THE

YEAR ENDING 31st DECEMBER, 1970





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EASINGTON RURAL DISTRICT

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REPORT  
OF THE  
MEDICAL OFFICER  
OF HEALTH  
FOR THE  
YEAR ENDING 31st DECEMBER, 1970



# EASINGTON RURAL DISTRICT COUNCIL.

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## *Chairman:*

COUNCILLOR E. WILDING, J.P.

## *Vice-Chairman:*

COUNCILLOR J. L. Bell

## COUNCILLORS:

COUN. J. Andrew	COUN. Mrs. E. Hodgen
„ W. Armstrong	„ Mrs. G. M. Innes
„ Mrs. C. Banks	„ M. B. Kirkup
„ D. Banks	„ G. W. Laidler
„ A. Barker	„ F. Long
„ J. W. Beach	„ R. Luke
„ M. W. Brown	„ A. Maw
„ Mrs. D. Byron	„ T. Metcalf
„ A. Carling	„ J. Moutter
„ W. C. Carter	„ W. Murphy
„ H. D. Clark	„ Mrs. A. Naisbitt
„ J. Collin	„ R. Olaman
„ J. S. Cummings	„ M. Pattison
„ M. H. Curry	„ J. G. H. Rackstraw, J.P.
„ A. E. Dallen	„ F. V. Rogers
„ H. Davies	„ R. J. Scott, J.P.
„ F. G. Dickson	„ C. F. Short
„ F. Etherington	„ S. Thompson
„ T. Ferguson	„ R. J. Todd
„ Mrs. L. Fletcher	„ F. A. Walker
„ A. Foster	„ M. Weetman
„ Mrs. M. E. Foster	„ A. D. Wharrier
„ A. Golightly	„ F. W. Woods
„ J. Harper	„ J. Wright
	„ S. Yews

## *Clerk:*

D. C. KELLY, LL.B. (Lond.), L.A.M.T.P.I.

## *Treasurer, Accountant and Chief Rating Officer:*

T. ROBINSON, A.I.A.C., F.C.A.

## *Engineer and Surveyor:*

R. R. LUMSDEN, Dip.M.Eng.

## STAFF

(as at 31st December, 1970)

*Medical Officer of Health and  
District Principal School Medical Officer:*

J. W. A. RODGERS, M.B., B.Ch., D.P.H.

*Assistant Medical Officers:*

G. L. ANDERSON, M.B., B.S.

M. ANDERSON, M.B., B.S. (Mrs.)

*School Dental Officers:*

M. THOMSON, L.D.S. (Mrs.)

E. I. S. STEWART, L.D.S. (Mrs.)

J. W. COOPE, B.Ch.D.

*School Occulists: (Part-time)*

J. FRANKENTHAL, L.R.C.P., L.R.C.S., D.O.

C. J. SHARP, M.D., Ch.B., D.O.

*Senior Public Health Inspector:*

R. E. V. WARRAND, M.A.P.H.I., M.R.S.H.

*Public Health Inspectors:*

J. R. DAY, Cert.P.H.I.B., Cert. M. & O. Foods

P. F. JONES, Cert. P.H.I.B., Cert. M. & O. Foods

D. CARRUTHERS, Cert. P.H.I.B., Cert. M. & O. Foods

I. C. WATSON, Cert. M.R.S.A.S., Cert. M. & O. Foods

N. S. MOHON, M.A.P.H.I., Cert. M. & O. Foods

J. K. WALLS, M.A.P.H.I., Cert. M. & O. Foods

*Public Health Assistant:*

J. HARPER

*Pupil Public Health Inspector:*

A. CAYGILL

*Rodent Officer:*

W. MILLS

*Rodent Operatives:*

G. D. TURNER

G. A. SUTHERLAND

*Mortuary Attendant:*

J. SCOTT



*District Chief Nursing Officer:*

MISS A. HOWARTH, S.R.N., S.C.M., Q.N., H.V. Cert.

*Health Visitors:*

MISS J. BARKER, S.R.N., S.C.M., O.N.C., H.V. Cert.  
 MISS M. BEATY, S.R.N., S.C.M., H.V. Cert.  
 MISS K. A. GARRIGAN, S.R.N., S.C.M., H.V. Cert.  
 MISS D. HEWISON, S.R.N., S.C.M., H.V. Cert.  
 MISS E. HONOUR, S.R.N., S.C.M., H.V. Cert.  
 MRS. C. LANDERS, S.R.N., R.S.C.N., H.V. Cert.  
 MISS D. LISTER, S.R.N., S.C.M., Q.N., H.V. Cert.  
 MRS. M. A. MEECHIN, S.R.N., S.C.M., Q.N., H.V. Cert.  
 MISS I. MORTIMER, S.R.N., S.C.M., H.V. Cert.  
 MRS. E. F. PENRITH, S.R.N., H.V. Cert.  
 MISS A. SIMPSON, S.R.N., S.C.M., Q.N., H.V. Cert.  
 MRS. J. TERRINGTON, S.R.N., H.V. Cert.

*District Midwives:*

MISS E. BEANEY, S.R.N., S.C.M., Q.N.  
 MISS M. DALLEN, S.C.M.  
 MISS R. E. DANIELS, S.R.N., S.C.M.  
 MRS. M. DIXON, S.R.N., S.C.M.  
 MISS G. L. HAILES, S.R.N., S.C.M.  
 MRS. R. HALL, S.C.M.

*District Nurses:*

MRS. L. B. ANDERSON, S.R.N., N.D.N. Cert.  
 MISS E. M. BUCHANAN, S.R.N., S.C.M., Q.N.  
 MRS. F. F. BUCKLEY, S.R.N., N.D.N. Cert.  
 MRS. A. V. COX, S.R.N., S.C.M., R.S.C.N., N.D.N. Cert.  
 MISS D. CROOKS, S.R.N., S.C.M., N.D.N. Cert.  
 MISS B. HEMSLEY, S.R.N., S.C.M., Q.N.  
 MRS. M. A. JAMIESON, S.R.N., Q.N.  
 MRS. A. PATTISON, S.R.N., N.D.N. Cert.  
 MRS. E. M. SKELTON, S.R.N., R.S.C.N., N.D.N. Cert.  
 MRS. E. M. SMITH, S.R.N., S.C.M.  
 MISS A. P. STONEY, S.R.N., Q.N.  
 MRS. D. UNSWORTH, S.R.N., N.D.N. Cert.  
 MRS. M. WALLIS, Ophthal. Cert., S.R.N., N.D.N. Cert.  
 MRS. F. M. WEST, S.R.N., N.D.N. Cert.

*School Nurses:*

MRS. M. K. BLAKE, S.R.N., R.M.N.  
 MRS. M. BRADLEY, S.R.N., S.C.M.  
 MRS. J. R. NEWSOME, S.R.N., S.R.F.N.  
 MRS. J. SNAITH, S.R.N.

*Senior Mental Welfare Officer:*

A. S. SMITH

*Mental Welfare Officers:*

R. HOUGHTON, C.S.W.  
 H. JOHNSON

*Social Welfare Officer for the Blind:*

MISS I. FOGGIN

*Social Worker:*

E. HARVEY, C.S.W.

*Training Centre Staff:**Junior Supervisor:*

MRS. I. GLEN, Dip. N.A.M.H.

*Teachers:*

MISS J. BRIGGS, Dip. N.A.M.H.  
 MRS. A. TONKS, Dip. N.A.M.H.  
 MRS. M. R. WILLIAMS, Dip. N.A.M.H.

*Assistant Supervisor:*

MRS. K. FARQUHAR

*Welfare Assistant:*

MRS. O. WIGHAM

*Adult Superintendent:*

D. JACKSON, Dip. N.A.M.H.

*Deputy Superintendent:*

MRS. R. WALTON

*Teachers:*

MRS. K. SPELLMAN, Dip. N.A.M.H.  
 W. J. GEDDES, Dip. N.A.M.H.

*Domestic Help Service Organisers:*

MRS. L. TRUDGILL  
 MISS J. BARRAS

*Chiropodists:*

G. R. RAWLINGS, M.Ch.S., S.R.Ch.  
 MISS J. A. RICHARDSON, M.Ch.S., S.R.Ch.  
 MRS. J. W. O'LEARY, M.Ch.S., S.R.Ch.

*School Dental Surgery Assistants:*

MRS. J. MARTIN  
 MRS. C. S. SMART



## ADMINISTRATIVE AND CLERICAL STAFF :

### *Chief Clerk:*

J. BRANTHWATTE

### *Senior Clerk:*

K. ARMSTRONG

### *Clerical Assistants:*

H. HESLOP

D. HINDSON

MISS L. NASH

MISS M. MITCHISON

MISS A. HARDCASTLE

MISS O. BLACKWELL

MISS M. SMITH

MRS. O. HOGG

W. SLACK

MRS. M. CHAPMAN

MRS. J. M. STOKER

MRS. A. McROY

MRS. B. HOLLINS

MISS A. BARKER

MISS E. PALMER

### *Travelling Clerks:*

MRS. O. WOOLARD

MRS. L. COWLEY



# EASINGTON RURAL DISTRICT

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## REPORT

OF THE

Medical Officer of Health

FOR THE

Year Ended 31st December, 1970

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*Telephone*—Easington 501

EASINGTON,  
PETERLEE,  
CO. DURHAM,  
SR8 3TN  
1971.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting to you the Annual Report on the health and sanitary conditions of your district for the year 1970.

The work accomplished during the year is described in the various sections of the report. The section relating to the activities of the inspectorial staff has been compiled by the Senior Public Health Inspector, and a contribution from the Engineer and Surveyor, dealing with housing, sewerage, public cleansing, etc., is also included. This introductory letter summarises briefly the contents of the report as a whole and draws attention to any points of special interest.

## VITAL STATISTICS

Under this heading figures or rates are given to enable comparison to be made between the health of the inhabitants of the district over recent years and the health of the country as a whole. They include the birth rate, the general death rate, infant mortality rate and the maternal mortality rate.

### BIRTH RATE

The district rate of 17.49 per 1,000 of the population showed an increase on the figure of 16.52 for 1969. The rate for England and Wales as a whole was 16.0 as compared with 16.3 the previous year.

### GENERAL DEATH RATE

The general death rate of 11.43 per 1,000 of the estimated resident population showed a decrease on the 1969 figure of 11.67. The rate for England and Wales was 11.7, as compared with 11.9 the previous year.

### INFANT MORTALITY

The rate of 20.11 per 1,000 live births showed a decrease on that of 21.08 for the previous year and is, in fact, the lowest ever recorded for this district. The local rate is, however, still higher than the national rate of 18.0, the same as that for 1969.

There were 30 deaths in infants under one year and of these 21 occurred in the first four weeks of life, giving a neonatal mortality rate of 14.07 per 1,000 live births as compared with the 1969 figure of 14.05. In nine of these, prematurity was given as a primary cause of death and in one as contributory. The rate for England and Wales in 1970 was 12.0.

### MATERNAL MORTALITY

There were no maternal deaths in the district during the year. The rate for England and Wales was 0.18 per 1,000 live and still births.

### LOCAL ADJUSTED RATES

After taking into account the Registrar General's comparability factors of 1.05 and 1.40 for birth and death rates respectively, the local adjusted rates for this district were 18.4 in the case of births and 16.0 in respect of deaths.



## INDIVIDUAL CAUSES OF DEATH

Perusal of the table giving the chief causes of death will show that heart disease still heads the list with 304 deaths, four more than in 1969 and representing 31.18% of the total deaths in the district. Cancer was responsible for 196 deaths (20.10%), an increase of 33 on the figure of 163 the previous year. In third place diseases of the veins and arteries of the brain caused 170 deaths (17.44%) against 157 (15.62%) in 1969. Fourth place in the list is occupied by bronchitis and pneumonia which caused 109 deaths (11.18%), a decrease of 55 on the figure of 164 (16.32%) for 1969. These four causes, therefore, accounted for almost 80% of the total deaths.

Table two gives deaths from cancer in age groups and localisation of the disease.

## INFECTIOUS DISEASES

Notifications of these diseases are set out in Table 7, which also gives the final figures after correction. Apart from an epidemic of measles over the first nine months, which was responsible for all but five of the total notifications, the area generally was quiet throughout the year.

## TUBERCULOSIS

The statistics for this disease are shown in the tables and summary of Section III.

The Newcastle upon Tyne Regional Hospital Board's Mass Radiography Unit visited Blackhall from 28th April to 1st May inclusive and for five days in late November the Unit undertook public sessions at the Health Centre, Peterlee. During both visits opportunity was given for evening attendance.

Individual and small group X-ray is also available at the General Hospital, Chester Road, Sunderland, the Static Unit, 35 Grange Road, Middlesbrough, and the Mass X-ray Unit, Dryburn Hospital Durham. Particulars of dates and times for these services may be obtained from the Health Department, Easington.

## HEALTH AND WELFARE FUNCTIONS

Details of the working of the various services during the year are to be found in Section IV. Particulars relating to the work undertaken at treatment centres and clinics and the activities of the



domiciliary midwifery, home nursing and health visiting services are given. Also included are statistical and general details of vaccination and immunisation, prevention of illness, care and after-care, chiropody, domestic help, mental health, blind welfare and handicapped persons.

## SCHOOL HEALTH SERVICE

Details of the working of the School Health Service will be found in Section V.

## WATER

Piped water supply in the district was sampled weekly during the year. All 44 samples submitted to bacteriological examination were reported as satisfactory. Further details of the district's water supply are given in Section VI.

## LABORATORY FACILITIES

Bacteriological testing of throat swabs, faeces and other human specimens is undertaken by the Director and his staff at the Public Health Laboratory, Havelock Hospital, Sunderland. Weekly samples of ice cream, water and milk and occasional samples of meat and other edible products were submitted during the year. 22 faecal specimens from patients known or suspected to be suffering from dysentery or food poisoning were sent for examination and report and the laboratory also checked 240 specimens in respect of food-handling employees of the Council.

## SANITARY CONDITIONS OF THE AREA

Comments and tables to be found in Section VI dealing with the environmental services contain much information of importance and interest. They are contributed by the Senior Public Health Inspector and the Engineer and Surveyor.

## STAFF

There were several staff changes during the year. Details of the department's complement at 31st December, 1970, are given in the pages preceding this introductory letter.

## CONCLUSION

The vital statistics in the following pages will show that there was little variation in the general health of the district's population from that of the previous year. The birth rate increased and the infant mortality rate decreased to 20.11, the lowest ever recorded for this district. It is, however, still higher than the national rate of 18.0 per 1,000 live births. The general death rate of 11.43 per 1,000 of the resident population showed a slight decrease on the 1969 figure of 11.67. The rate for England and Wales was 11.7.

I would commend to the reader the details given by the District Chief Nursing Officer in Section IV of this report of the Health Exhibition held at the Health Centre, Peterlee. This annual effort has now become an essential and important part of the health education work undertaken in the district.

I am again grateful to the Chairman of the Health Committee and to the members and officials of the Council for their co-operation. My thanks and appreciation are also due to the entire Health Department staff for their loyal and willing assistance during another active year.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant

J. W. A. RODGERS

Medical Officer of Health.



## SECTION I.

### CONDITIONS OF THE AREA

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Area (in acres)	34,647
Registrar General's estimate of resident population year, 1970	85,300
Number of Hereditaments on 31st December, 1970 according to the rate books	34,943
Rateable Value (at 1st April, 1971)	£2,211,507
Sum represented by New Penny Rate (1970-71)	£20,568

### VITAL STATISTICS

#### Births :—Live Births.

	Male	Female	Total
Legitimate	684	701	1385
Illegitimate	60	47	107
	<hr/> 744	<hr/> 748	<hr/> 1492

Birth Rate per 1,000 of the estimated resident population	17.49
--	-------

Illegitimate Live Births per cent of Total Live Births	7.17
--	------

#### Still Births :—

Legitimate	12	11	23
Illegitimate	2	1	3
	<hr/> 14	<hr/> 12	<hr/> 26

Rate per 1,000 live and still births	17.43
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#### Total Live and Still Births :—

758	760	1518
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#### Infant Mortality :—

Deaths of infants under 1 year :

Legitimate	11	15	26
Illegitimate	4	—	4
	<hr/> 15	<hr/> 15	<hr/> 30



**Infant Mortality Rates**

Death rate of all infants under one year per 1,000 live births, 20·11.

Death rate of legitimate infants under one year per 1,000 legitimate live births, 18·77.

Death rate of illegitimate infants under one year per 1,000 illegitimate live births, 37·38.

**Neonatal Mortality**

Deaths of infants under 4 weeks:

		Male	Female	Total	
Legitimate	..	5	12	17	
Illegitimate	..	4	—	4	
		<hr/>	<hr/>	<hr/>	
		9	12	21	
		<hr/>	<hr/>	<hr/>	
Death rate per 1,000 live births	..	..	..	14·08	

**Early Neonatal Mortality**

Deaths of infants under 1 week :

Legitimate	..	5	10	15	
Illegitimate	..	2	—	2	
		<hr/>	<hr/>	<hr/>	
		7	10	17	
		<hr/>	<hr/>	<hr/>	
Death rate per 1,000 live births	..	..	..	11·39	

**Perinatal Mortality Rate** .. .. . 28·33

**Maternal Mortality (including abortion)**

Number of deaths .. .. . Nil.  
 Rate per 1,000 live and still births .. .. . Nil.

**Maternal Mortality Rate** .. .. . Nil.

**Total Deaths (all ages)** 549 426 975

Death rate per 1,000 of the estimated resident population .. .. . 11·43



TABLE 1. DEATHS—CAUSES AND AGES AT DEATH.

	All Ages	Under 4 weeks	4 weeks- under 1 year	1 to 4	5 to 14	15 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 to 74	75 and over
Enteritis and Other Diarrhoeal Diseases	2	—	1	—	—	—	—	—	1	—	—	—
Tuberculosis of Respiratory System	3	—	—	—	—	—	—	—	—	1	2	—
Other Infective and Parasitic Diseases	1	—	—	—	—	—	—	—	—	—	—	1
Malignant Neoplasm—Buccal Cavity etc.	3	—	—	—	—	—	—	—	—	3	—	—
Malignant Neoplasm—Oesophagus	5	—	—	—	—	—	—	—	—	—	5	—
Malignant Neoplasm—Stomach	33	—	—	—	—	1	1	1	3	3	13	12
Malignant Neoplasm—Intestine	27	—	—	—	—	—	—	2	2	4	9	9
Malignant Neoplasm—Lung, Bronchus	37	—	—	—	—	—	—	—	4	8	15	10
Malignant Neoplasm—Breast	20	—	—	—	—	—	—	1	5	6	5	3
Malignant Neoplasm—Uterus	6	—	—	—	—	—	—	2	2	1	—	1
Malignant Neoplasm—Prostate	7	—	—	—	—	—	—	—	—	1	1	5
Leukaemia	8	—	—	1	—	—	—	—	1	2	2	2
Other Malignant Neoplasms	50	—	—	—	1	1	1	3	8	11	12	13
Benign and Unspecified Neoplasms	3	—	—	—	—	—	—	—	—	—	3	—
Diabetes Mellitus	13	—	—	—	—	—	—	—	2	1	6	4
Other Endocrine, etc. Diseases	1	—	—	—	—	—	—	—	—	—	1	—
Anaemias	1	—	—	—	—	—	—	—	—	—	—	1
Other Diseases of Blood, etc.	1	—	—	—	—	—	—	—	—	—	—	1
Mental Disorders	2	—	—	—	—	—	—	—	—	—	—	1
Other Diseases of Nervous System, etc.	9	—	—	—	1	1	—	1	—	—	—	1
Chronic Rheumatic Heart Disease	13	—	—	—	—	1	—	1	5	1	3	3
Hypertensive Disease	19	—	—	—	—	—	1	—	—	3	2	2
Ischaemic Heart Disease	244	—	—	—	—	—	1	4	21	65	7	8
Other Forms of Heart Disease	28	—	—	—	—	—	1	1	9	1	82	71
Cerebrovascular Disease	170	—	—	—	—	—	2	1	8	17	56	18
Other Diseases of Circulatory System	38	—	—	—	—	—	—	—	—	3	13	86
Influenza	14	—	—	—	—	—	—	—	—	—	7	22
Pneumonia	56	1	5	—	—	—	—	—	—	4	18	28
Bronchitis and Emphysema	53	—	—	—	—	—	—	—	4	11	21	17
Asthma	1	—	—	1	—	—	—	—	—	—	—	1
Other Diseases of Respiratory System	14	—	—	—	—	—	—	—	—	4	4	5
Peptic Ulcer	6	—	—	—	—	—	—	—	—	—	3	3
Intestinal Obstruction and Hernia	1	—	—	—	—	—	—	—	—	—	—	1
Cirrhosis of Liver	4	—	—	—	—	—	—	1	2	—	1	2
Other Diseases of Digestive System	6	—	—	—	—	1	—	—	—	—	3	3
Nephritis and Nephrosis	6	—	—	—	—	—	—	—	—	1	2	1
Other Diseases, Genito-Urinary System	8	—	—	—	—	—	—	—	—	2	5	—
Congenital Anomalies	8	5	2	—	1	—	—	—	—	—	—	—
Birth Injury, Difficult Labour, etc.	3	3	—	—	—	—	—	—	—	—	—	—
Other Causes of Perinatal Mortality	11	11	—	—	—	—	—	—	—	—	—	—
Symptoms and Ill-defined Conditions	1	—	—	—	—	—	—	—	—	—	—	—
Motor Vehicle Accidents	9	—	—	—	1	2	—	1	1	1	2	1
All Other Accidents	20	1	1	—	—	—	—	3	2	3	1	8
Suicide and Self-inflicted Injuries	7	—	—	—	—	2	—	—	3	—	—	—
All Other External Causes	3	—	—	—	—	—	1	2	—	—	—	—
TOTALS	975	21	9	2	4	8	9	23	74	161	314	350

TABLE 2.

Cancer.

The following table gives the deaths from Cancer, in age groups, and the localisation of the disease.

	Ages in Years					Totals
	1 to 24	25 to 44	45 to 64	65 to 74	75 up	
Lung & Bronchus	—	—	12	15	10	37
Stomach .. ..	—	2	6	13	12	33
Breast .. ..	—	1	11	5	3	20
Uterus .. ..	—	2	3	—	1	6
Other Causes ..	4	6	32	29	29	100
	4	11	64	62	55	196

TABLE 3.

Table of Birth and Death Rates for the past 10 years

Year	General Death Rate	Infant Death Rate	Birth Rate
1961	10.4	21.9	19.7
1962	11.1	26.6	20.5
1963	10.3	28.8	19.7
1964	10.4	24.4	19.1
1965	11.2	21.8	19.2
1966	11.4	22.7	17.9
1967	11.1	28.2	17.7
1968	11.1	26.6	16.9
1969	11.7	21.1	16.5
1970	11.4	20.1	17.5

	General Death Rate	Infant Death Rate	Birth Rate
1970			
England & Wales	11.7	18.0	16.0
Easington Rural District	11.4	20.1	17.5

TABLE 4.  
Infant Mortality Rates  
(10 years)

Year	Births	Easington R. D. Inf. Mortality Rate	England & Wales Inf. Mortality Rate
1961	1689	21.9	21.6
1962	1768	26.6	21.6
1963	1699	28.8	21.1
1964	1637	24.4	20.0
1965	1647	21.8	19.0
1966	1544	22.7	18.9
1967	1524	28.2	18.3
1968	1464	26.6	18.0
1969	1423	21.1	18.0
1970	1492	20.1	18.0

TABLE 5.  
Death Rates (10 years)

Year	Deaths	Easington R. D. Death Rate	England & Wales Death Rate
1961	891	10.4	11.9
1962	957	11.1	11.9
1963	888	10.3	12.2
1964	890	10.4	11.3
1965	956	11.1	11.5
1966	986	11.4	11.7
1967	956	11.1	11.2
1968	962	11.1	11.9
1969	1005	11.7	11.9
1970	975	11.4	11.7

TABLE 6.  
Natural Increase of Population

Year	Births	Deaths	Rate of Natural Increase per 1,000 population.
1961	1689	891	9.3
1962	1768	957	9.4
1963	1699	888	9.4
1964	1637	890	8.7
1965	1647	956	8.1
1966	1544	986	6.5
1967	1524	956	6.6
1968	1464	962	5.8
1969	1423	1005	4.9
1970	1492	975	6.1

## SUMMARY OF STATISTICS, 1970

Population	..	..	..	..	..	..	85,300
Area (acres)	..	..	..	..	..	..	34,647
Estimated number of Hereditaments					..	..	34,943
Rateable Value (at 1st April, 1971)	..	..	..	..	..	..	£2,211,507
Sum produced by New Penny Rate (1970-71)						..	£20,568
Births	..	..	..	..	..	..	1,492
Birth rate per 1,000 of the estimated resident population							17.5
Deaths	..	..	..	..	..	..	957
Death rate per 1,000 of the estimated resident population							11.4
Death rate of infants under one year of age						..	20.1

## CHIEF CAUSES OF DEATH

Cause	Number	Percentage of total deaths
Diseases of the heart .. ..	304	31.18
Cancer .. ..	196	20.10
Diseases of the veins and arteries of the brain .. ..	170	17.44
Bronchitis and pneumonia .. ..	109	11.18

## INFECTIOUS DISEASES

Diseases	Cases notified
Measles .. ..	1,024
Infective Jaundice .. ..	104
Whooping Cough .. ..	43
Tuberculosis (all forms) new cases .. ..	16
Scarlet Fever .. ..	9
Food Poisoning .. ..	1
Acute Meningitis .. ..	1



TABLE 7

## SECTION II.

# INFECTIOUS AND OTHER NOTIFIABLE DISEASES, 1970

[illegible]





## INFECTIOUS DISEASES

The main points of interest in Table 7 can be briefly summarised as follows:—

There were 1,024 notified cases of measles during the year. Nearly all of these were the result of an epidemic in the district between January and the end of September. There were 171 such cases in 1969.

Scarlet fever notifications numbered nine as compared with 16 the previous year.

Only one notification of food poisoning was received, and this was confirmed on bacteriological examination.

There were 43 cases of whooping cough notified, as against 21 in 1969.

Infective jaundice notifications increased from 43 the previous year to 104 for the year under review.

# SECTION III.

## TUBERCULOSIS

TABLE 8.

Number of Cases on Register at 31st December, 1970.

PULMONARY			NON-PULMONARY			TOTAL CASES
Male	Female	Total	Male	Female	Total	
167	108	275	77	65	142	417

TABLE 9.  
New Cases and Mortality, 1970

Age Periods	NEW CASES				DEATHS			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	Male	Female	Male	Female	Male	Female	Male	Female
Under 5 years	—	—	—	—	—	—	—	—
5 — 14 years	—	—	—	1	—	—	—	—
15 — 24 years	—	—	—	—	—	—	—	—
25 — 44 years	2	4	—	—	—	—	—	—
45 — 64 years	2	2	—	—	1	—	—	—
65 and over	5	—	—	—	2	—	—	—
	9	6	—	1	3	—	—	—

TABLE 10

## COMPARATIVE TUBERCULOSIS STATISTICS FOR RECENT YEARS

YEAR	NEW CASES			DEATHS				No. ON REGISTER AT END OF YEAR										
	Pulmonary		Non-Pulmonary	Pulmonary		Non-Pulmonary	Pulmonary		Non-Pulmonary									
	Male Female Total		Male Female Total	Male Female Total		Male Female Total	Male Female Total		Male Female Total									
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total						
1961	22	16	38	1	2	3	6	2	8	1	—	1	322	264	586	156	145	301
1962	13	11	24	3	2	5	5	—	5	—	—	—	305	253	558	155	145	300
1963	15	12	27	1	3	4	8	1	9	—	—	—	304	258	562	154	143	297
1964	16	6	22	3	1	4	7	1	8	—	—	—	285	245	530	157	144	301
1965	9	7	16	1	3	4	6	1	7	—	—	—	283	241	524	157	146	303
1966	10	5	15	—	3	3	8	2	10	2	—	2	274	230	504	154	147	301
1967	13	10	23	2	—	2	4	5	9	1	—	1	277	225	502	155	147	302
1968	18	5	23	2	2	4	1	1	2	1	—	1	274	219	493	156	148	304
1969	17	3	20	2	1	3	5	1	6	—	—	—	175	115	290	83	67	150
1970	9	6	15	—	1	1	3	—	3	—	—	—	167	108	275	77	65	142



TABLE 11

The following Table shows the number of deaths from Tuberculosis (all ages) during the past five years—the figures in parenthesis indicating deaths occurring in previously notified cases of Tuberculosis.

YEAR	PULMONARY			NON-PULMONARY		
	Male	Female	Total	Male	Female	Total
1966	8 (4)	2 (2)	10 (6)	2 (1)	—	2 (1)
1967	4 (3)	5 (4)	9 (7)	1 (—)	—	1 (—)
1968	1 (1)	1 (1)	2 (2)	1 (—)	—	1 (—)
1969	5 (3)	1 (1)	6 (4)	—	—	—
1970	3 (3)	—	3 (3)	—	—	—
Totals	21 (14)	9 (8)	30 (22)	4 (1)	—	4 (1)

## TUBERCULOSIS

The foregoing tables may be summarised as follows:—

Fifteen new cases of the respiratory form of the disease were notified during the year, comprising nine males and six females. This was a decrease of five on the figure of 20 for 1969, made up of 17 males and three females. There was only one new notification of other forms of tuberculosis during the year, a female.

Deaths from the respiratory form decreased from six in 1969 to three, all of whom were males.

There were no deaths from non-respiratory tuberculosis.

The district mortality rate for respiratory tuberculosis was 0.035 per 1,000 of the population, compared with the figure of 0.019 for England and Wales as a whole.

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## SECTION IV.

### NATIONAL HEALTH SERVICE ACT, 1946

#### HEALTH AND WELFARE

##### HEALTH CENTRES:—

The Health Centre at Peterlee continues to operate satisfactorily.

Available at the Health Centre are:—Child Welfare, Immunisation and Vaccination, Artificial Sunlight, Family Planning, Chiropody, Cervical Cytology, School Clinic, Dental, Speech Therapy, Child Guidance and Ophthalmic services.

General Practitioners have the use of eight surgery suites and in the near future a radiological unit is to be installed at the centre.

##### CARE OF MOTHERS AND YOUNG CHILDREN MATERNITY AND CHILD WELFARE CENTRES

The number of centres in operation remains at ten, eight of which are owned by the Council and two on a rental basis. The attendances and the number of children on the register have continued to increase.

			1969	1970
No. on Register	..	..	3,970	4,046
No. of attendances	..	..	18,913	20,050
Average attendance per session	..	..	25	26

Table 12 gives details

##### ANTE-NATAL CLINICS

Ante-Natal Clinics are no longer held in child welfare centres in the district, this is due to General Practitioners holding their own ante-natal clinics. These clinics are attended by the District Midwife who is attached to the practice.

##### MOTHERCRAFT AND RELAXATION CLASSES

Classes continued to be held during the year. Expectant Mothers attended lectures and film shows given by the Health Visitors and Midwives.

Details of attendances compared with previous years are as follows:—

			1969	1970
Mothers attending	..	..	116	109
Total attendances	..	..	446	392
Average attendance per session	..	..	6	5

TABLE 12

Attendances at Child Welfare Centres during year ended 31st December, 1970.

	No. on books 31.12.70				Attendances						Consultations									
	Expectant Mothers	Children			Expectant Mothers	Number			Expectant Mothers	Average per session			Expectant Mothers	Number			Expectant Mothers	Average per session		
			Children											Children				Children		
			Under 1 year	Between 1 - 2 years										Between 2 - 5 years	Under 1 year			Between 1 - 2 years	Between 2 - 5 years	
CLINICS																				
BLACKHALL .. ..	—	63	79	93	—	772	302	259	—	15	6	5	—	444	206	100	—	9	4	2
EASINGTON .. ..	—	107	111	182	—	1453	576	612	—	15	6	6	—	828	343	290	—	9	4	3
HORDEN .. ..	—	154	168	230	—	2237	652	746	—	23	7	8	—	1269	450	456	—	14	5	5
MURTON .. ..	—	137	137	324	—	1323	424	526	—	13	4	5	—	943	343	389	—	9	3	4
PETERLEE .. ..	—	382	299	369	—	3302	870	826	—	22	6	6	—	1577	600	494	—	18	7	5
SHOTTON .. ..	—	76	96	166	—	614	254	390	—	12	5	8	—	493	203	223	—	10	4	4
SOUTH HETTON .. ..	—	31	48	55	—	446	130	143	—	9	3	3	—	316	103	106	—	6	2	2
THORNLEY .. ..	—	60	62	66	—	652	162	145	—	13	3	3	—	501	143	105	—	20	6	4
WHEATLEY HILL .. ..	—	64	77	111	—	659	248	234	—	14	5	5	—	373	138	111	—	16	6	5
WINGATE .. ..	—	67	75	157	—	585	198	310	—	12	4	6	—	280	128	147	—	12	6	6
TOTALS .. ..	—	1141	1152	1753	—	12043	3816	4191	—	15	5	6	—	7024	2657	2421	—	12	5	4

## BIRTH CONTROL

The Family Planning Association are responsible for two clinics held in the district, both at council premises free of rent.

## “AT RISK” REGISTER AND CONGENITAL DEFECTS

A register is kept of all newly born children who through any factor show they may have a physical or mental defect. These children are visited at regular intervals.

At the end of the year 942 names were on the register.

Congenital defects in all births are notified to the Medical Officer of Health who informs the Registrar General of the necessary details. During the year a total of 36 live births and 2 still births were notified.

## WELFARE FOODS

Welfare foods are obtainable from 10 centres throughout the area. The following statement shows the amount of welfare foods issued during the year with comparative figures for 1969.

			1969	1970
National Dried Milk (tins)	..	..	2,061	1,591
Orange Juice (bottles)	..	..	14,437	17,184
Cod Liver Oil (bottles)	..	..	1,867	1,986
Vitamin Tablets (packets)	..	..	762	849

## DENTAL CARE FOR MOTHERS AND YOUNG CHILDREN

Dental treatment for mothers and young children was available at Peterlee, Wingate and Murton clinics.

Table 13 gives details.



TABLE 13  
FORMS OF DENTAL TREATMENT PROVIDED

	Peterlee No. 1 Surgery		Peterlee No. 2 Surgery		Murton		Wingate		Total	
	Child 0 - 4	Exp. Mothers	Child 0 - 4	Exp. Mothers	Child 0 - 4	Exp. Mothers	Child 0 - 4	Exp. Mothers	Child 0 - 4	Exp. Mothers
First Visit	17	5	25	2	43	43	13	61	98	111
Subsequent Visits	42	27	53	2	15	62	4	51	114	142
Total Visits	59	32	78	4	58	105	17	112	212	253
No. of additional courses of treatment commenced	2	—	1	—	—	1	—	5	3	6
No. of fillings	69	28	69	28	—	51	—	41	138	123
Teeth filled	55	24	60	3	6	51	—	48	121	126
Teeth extracted	34	17	33	—	52	72	21	65	140	154
General Anaesthetics given	11	3	14	—	24	21	11	16	60	40
Emergency visits by patients	2	2	—	—	—	—	—	4	2	6
Patients X-Rayed	1	1	1	—	—	3	—	7	2	11
Prophylaxis	4	13	3	4	30	22	6	38	43	77
Teeth otherwise conserved	4	—	10	—	—	—	—	—	14	—
Courses of treatment completed	13	3	22	1	25	45	9	47	69	96
Patient supplied with F.U. or F.L.	—	1	—	—	—	3	—	1	—	5
Patient supplied with other dentures	—	—	—	—	—	7	—	9	—	16
No. of dentures supplied	—	—	—	—	—	10	—	15	—	26
First inspections	23	1	41	—	30	17	69	31	163	56
Requiring treatment	17	5	29	3	12	15	8	19	66	43
Offered treatment	17	6	29	3	12	14	7	18	65	41

## CONVALESCENT HOLIDAYS —MOTHER AND YOUNG CHILDREN

Applications are made by General Practitioners and Health Visitors in respect of mothers who need a period of convalescence. After investigation these applications are passed on to Durham County Council who administer the E.F. Peile Convalescent Home, Shotley Bridge. During the year 3 mothers and 3 children were admitted to the home from this district.

## DOMICILIARY MIDWIFERY

The following number of midwives gave notice of intention to practice in the Easington Rural District during the year:—

District Midwives	..	..	..	7
District Nurse Midwives		..	..	—
Midwives in Hospital	..	..	..	21
Midwives in private practice	..		..	—

At the end of the year 6 full-time and 3 part-time District Midwives were employed, all were paid car allowances.



## NURSING, MIDWIFERY, SCHOOL HEALTH AND HEALTH VISITING SERVICES

### District Chief Nursing Officer's Report

The present year completes a decade since the delegation to the Easington Rural District of health and welfare services. In retrospect, one can see the effectiveness of delegation on nursing, midwifery and health visiting services within a smaller administrative area. Comparative statistics show an increasing service to the public, most noticeable in the care and supervision of children under five years, persons discharged from hospital, aged persons and the physically handicapped. The number of persons visited in these categories has increased and the number of visits per individual has also increased noticeably.

Through the year midwives, health visitors, nurses and school nurses have worked together and have in their respective fields of work co-operated with a variety of social workers and other voluntary workers and the co-operative effort has been to the public good.

At this point in time there is natural concern amongst the staff regarding the impending changes; it is hoped the achievements of this decade will be built upon to expand and further improve these services.

Home nurses, midwives and health visitors are now closely associated with general practices and these teams of workers find this also a more satisfactory arrangement; there is still room for improvement in understanding if the scheme is to be fully effective; success can only be achieved by each member's appreciation of other team members' skills and responsibilities. For effective team work each member must also recognise his or her own responsibilities and ensure the particular skills inherent in his or her specialist training and experience are used fully, referring to other team members those duties appropriate to their particular training and skills.

### HEALTH VISITING SERVICE

The provision of office accommodation for health visitors in their own Child Health Centre throughout the district allows for better communication and contact between all members of the staff and also provides opportunity for easier contact between health visitor and members of the public needing her help.

### HEALTH EXHIBITION

The Annual Health Exhibition was held 12th to 16th October inclusive and proved very successful. A total of 1,300 school children visited the Exhibition escorted by teaching staff. Health visitors,



dental staff and school nurses conducted parties around the Exhibition explaining the different sections. Approximately 1,000 adults visited the Exhibition. Films were shown on such subjects as dental care, venereal diseases, accidents in the home; Smoking Sam, a teenage model, effectively demonstrated the health hazards of the smoking habit. The work involved in organising such an Exhibition is tremendous and time-consuming and the enthusiasm and effort of all staff and helpers concerned and the financial assistance afforded by the Ladies Voluntary Committees from their funds is all very much appreciated.

The various screening programmes covering the health care of mother and child have continued, though there is a great need to increase the response of mothers to screening invitations. Cytology and family planning sessions for women and hearing sessions for babies are still not being used to the full extent of the need of these groups, and health visitors, midwives and nurses need to be much more persuasive yet, if the numbers are to be increased, particularly in the high risk groups, which groups are the most difficult to convince.

I am pleased to report the successful introduction of the health visitor to the Thorpe Hospital Pediatric Clinic where she has first hand opportunity to meet the Pediatrician, discuss individual problems of child health and arrange for effective liaison with other health visitors in respect of home care and supervision.

#### HOME NURSING

The emphasis on early discharge home of those patients who need not be confined to hospital care beyond a minimum of days makes it essential for the home nurse to keep abreast of modern nursing procedures and prove herself capable of the nursing skills which will be required of her in the future. Unfortunately this changing pattern of nursing is slow to develop and it is still a fact that most of the home nurse's work is amongst the aged and chronic sick. Here she has a responsibility to encourage the family and the patient to maintain the latter's mobility and mental alertness in addition to carrying out routine nursing procedures. These essentials are necessary to the total well-being of the patient and the family.

#### MIDWIFERY

In 1961 the domiciliary midwives attended 732 confinements in the homes. In addition 250 mothers and babies were discharged from hospital to the midwives' care thus making a total of 982 mothers, of the 1,689 delivered in the Easington Rural District who were wholly or partially nursed by domiciliary midwives. It is interesting to note the changing pattern of domiciliary care in



1970. Two hundred and sixty-three mothers were confined at home and 772 mothers with their babies were discharged home early from hospital to domiciliary care, making a total of 1,035 mothers and babies of the 1,513 mothers delivered in the Easington Rural District either wholly or partially cared for by the domiciliary midwife. There seems, therefore, to be no cause for the anxiety amongst some domiciliary midwives that the service is diminishing. The pattern of domiciliary care is changing and the midwife needs to alert herself to the role she is now asked to fill. There is a great need for support, reassurance and education in mothercare of all expectant mothers and all nursing mothers including those discharged home early from hospital. Domiciliary midwives attached to the general practices staff the general practitioners' ante-natal clinics and have the opportunity in these ante-natal clinics to recognise the individual requirements of each mother and to give the necessary practical help and advice.

TABLE 15

**Number of Deliveries attended by Domiciliary Midwives  
during the Year**

	Dr. not booked		Dr. booked		Total	Discharge from Hospital within 48 hours	Discharge from Hospital before 10th day
	Dr. present	Dr. not present	Dr. present	Dr. not present			
District Mid- wives	1	1	21	240	263	309	772

The midwives requisitioned medical help on 132 occasions and the following statement gives particulars as to the reason for so doing:—

1.	Ante-natal examination – general	..	..	..	..	4
2.	Ante-natal examination – albuminuria	..	..	..	..	5
3.	Threatened miscarriage	..	..	..	..	—
4.	Miscarriage	..	..	..	..	—
5.	Contracted pelvis, disproportion between child and pelvic outlet	..	..	..	..	—
6.	Malpresentation	..	..	..	..	2
7.	Ante-partum hæmorrhage	..	..	..	..	1
8.	Placenta prævia	..	..	..	..	1
9.	Prolonged or delayed labour, uterine inertia	..	..	..	..	42
10.	Post-partum hæmorrhage	..	..	..	..	3
11.	Retained for adherent placenta or membranes	..	..	..	..	4
12.	Ruptured perineum	..	..	..	..	37
13.	Premature birth	..	..	..	..	2
14.	Puerperal Pyrexia	..	..	..	..	4
15.	Other conditions of motherhood	..	..	..	..	5
16.	Inflammation of the child's eyes	..	..	..	..	—
17.	Congenital malformation	..	..	..	..	1
18.	Other conditions of baby	..	..	..	..	10
19.	Stillbirth	..	..	..	..	1
20.	Neonatal death	..	..	..	..	—
21.	Other reasons	..	..	..	..	10

In addition to the notifications of sending for medical help, the following notifications were received from midwives:—

Stillbirths	..	..	..	..	..	1
Death of mother	..	..	..	..	..	—
Death of child	..	..	..	..	..	—
Laying out of the dead	..	..	..	..	..	—
Liability to be a source of infection	..	..	..	..	..	3

## HOME NURSING

At the end of the year 15 District Nurses were employed, all of whom were authorised car users. Two District Nurses were seconded to the training school at Newcastle upon Tyne for district training, both of whom were successful.

TABLE 16  
HOME NURSING STATISTICS - 1970

YEAR	STAFF		GENERAL MEDICAL		GENERAL SURGICAL		INFECTIOUS DISEASES		TUBERCULOSIS		MATERNAL COMPLICATIONS		OTHERS		TOTAL	
	Whole-time	Part time	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits	Cases	Visits
1969	15	—	1857	35571	484	8945	—	—	40	2433	18	142	—	—	2399	47091
1970	15	—	1853	37551	579	8902	—	—	21	836	17	180	—	—	2470	47469

TABLE 17

YEAR	Patients included in above table who were 65 or over at the time of the first visit during the year.		Children included in above table who were under 5 at the time of the first visit during the year.		Patients included in above table who had more than 24 visits during the year.	
	Cases	Visits	Cases	Visits	Cases	Visits
1969	1012	27830	102	910	492	34612
1970	994	27609	114	966	395	26968

## HEALTH VISITORS

## SUMMARY OF VISITS, 1970

## DOMICILIARY VISITS

## Maternity and Child Welfare:—

Ante-natal	First visits	..	..	..	..	..	726
	Re-visits	..	..	..	..	..	184
Births—	1st Visits	..	..	..	..	..	2500
	Re-visits to children under 1 year					..	5217
	Re-visits to children 1 – 2 years	..				..	4798
	Re-visits to children 2 – 3 years	..				..	4424
	Re-visits to children 3 – 4 years	..				..	3962
	Re-visits to children 4 – 5 years	..				..	3806
Other visits		..	..	..	..	..	642
TOTAL ..							26259

## Tuberculosis:—

First visits	..	..	..	..	..	..	182
Re-visits	..	..	..	..	..	..	341
Other visits	..	..	..	..	..	..	—
TOTAL ..							523

## SCHOOL WORK

School children (Home visits)	..	..	..	..	..	..	505
School children (School visits)	..	..	..	..	..	..	266
TOTAL ..							771

## GENERAL HEALTH

Visits paid	..	..	..	..	..	..	1747
Mentally disordered – visits	..	..	..	..	..	..	59
Aged Persons – visits	..	..	..	..	..	..	5647
Myopia	..	..	..	..	..	..	—
Problem Families	..	..	..	..	..	..	880
Physically-handicapped	..	..	..	..	..	..	377



## Summary:—

Effective visits	..	..	..	..	..	..	36263
Ineffective visits	..	..	..	..	..	..	8143
Total number of visits	..	..	..	..	..	..	44406

**HEALTH VISITORS**

At the end of the year the Health Visiting staff numbered 12 against an establishment of 15. Ten of these officers were in receipt of car allowances.

**VACCINATION and IMMUNISATION**

Diphtheria, Whooping Cough, Tetanus, Poliomyelitis, Measles and Smallpox.

The schedule of vaccination and immunisation used is as follows:

Age	Vaccine
4 months	Triple (Diph. Tet. & Whooping Cough) & Polio 1st dose
6 months	Triple (Diph. Tet. & Whooping Cough) & Polio 2nd dose
12 months	Triple (Diph. Tet. & Whooping Cough) & Polio 3rd dose
13 months	Measles
14-24 months	Smallpox
4 years	Diphtheria, Tetanus and Polio                      Booster dose Smallpox    Re-vaccination

Leaflets drawing attention to the need for children to be protected against these diseases are sent to the parents of all children attaining the age of four months. All leaflets give details of facilities available for vaccination and immunisation throughout the district.

Vaccination against Measles shows a considerable increase on the 1969 figures when the vaccine was in short supply.

Rubella vaccination was carried out in the latter part of the year on 13 year old school girls, this will become routine with school schemes being held annually.



TABLE 18  
SMALLPOX VACCINATION

AGE	0-3 months	3-6 months	6-9 months	9-12 months	1 year	2-4 years	5-15 years	TOTAL
No. VACCINATED	—	1	1	5	265	76	15	363
No. RE-VACCINATED	—	—	—	—	—	5	11	16

TABLE 19

## IMMUNISATION AND VACCINATION

COMPLETED COURSES OF IMMUNISATIONS FOR WHICH RECORDS  
WERE RECEIVED DURING, 1970

## COMPLETED PRIMARY COURSES

Type of vaccine	Year of Birth					Others under age 16	Total
	1970	1969	1968	1967	1963- 1966		
1. Quadruple DTPP	—	—	—	—	—	—	—
2. Triple DTP	40	776	172	18	29	—	1035
3. Diphtheria/ Pertussis	—	—	—	—	—	—	—
4. Diphtheria/ Tetanus	—	—	—	1	2	1	4
5. Diphtheria	—	—	—	—	—	—	—
6. Pertussis	—	—	—	—	—	—	—
7. Tetanus	—	—	—	—	10	28	38
8. Salk	—	—	—	—	—	—	—
9. Sabin	42	752	184	27	161	9	1175
10. Measles	—	206	243	101	391	48	989
11. Rubella	—	—	—	—	—	285	285

## REINFORCING DOSES

1. Quadruple DTPP	—	—	—	—	—	—	—
2. Triple DTP	—	9	22	12	775	5	823
3. Diphtheria/ Pertussis	—	—	—	—	—	—	—
4. Diphtheria/ Tetanus	—	—	1	—	58	11	70
5. Diphtheria	—	—	—	—	—	—	—
6. Pertussis	—	—	—	—	—	—	—
7. Tetanus	—	—	1	5	17	131	154
8. Salk	—	—	—	—	—	—	—
9. Sabin	—	3	22	12	816	6	859
10. Measles	—	—	—	—	—	—	—
11. Rubella	—	—	—	—	—	—	—

## PREVENTION OF ILLNESS, CARE AND AFTER CARE

### B.C.G. VACCINATION

Tuberculin testing and vaccination of all school children aged 11 years and upwards was carried out during the year.

Of the 707 children skin tested, 13 were found to be positive and not eligible for vaccination. Protection against tuberculosis by B.C.G. Vaccination was given to 680 children.

In addition to this 1,043 school entrants were skin tested and 10 were found to be positive. These were referred to the chest physician for further investigation.

### CERVICAL CYTOLOGY

Weekly sessions were held at the Health Centre, Peterlee, during the year, the details are as follows:—

No. of sessions held	..	..	..	..	84
No. of smears taken	..	..	..	..	1198
No. of repeat smears	..	..	..	..	799
No. of positive cases	..	..	..	..	—

### NURSING EQUIPMENT

A store of nursing equipment is maintained in the Health Department. Issues are made on the recommendation of a doctor, health visitor, district nurse or social worker. During the year 910 issues were made compared to 851 in 1969. Table 20 gives details.

The demand for disposable incontinence pads continued during the year and the number issued was 3,400 compared with 3,240 in 1969.

### CHIROPODY

Regular sessions were held at clinics throughout the district and domiciliary visits were arranged for persons unable to travel. The service which was initially provided for persons of pensionable age has now been extended to include handicapped persons and school children, free of charge.

At the end of the year the staff consisted of three full-time Senior Chiropodists who gave 8,149 treatments compared to 7,365 in 1969.

Table 21 gives details.

TABLE 20 - Equipment Loaned during 1970

Articles	No.	Articles	No.
Air Rings .. ..	35	Invalid Chairs (Junior)	4
Bath Mats .. ..	17	Lifting Poles .. ..	2
Bath Rails .. ..	19	Mattresses (Dunlopillo)	2
Bath Seats .. ..	28	Patient Lifter (hoist) ..	2
Bedcages .. ..	48	Plastic Sheets .. ..	83
Bedpans .. ..	88	Powell Seat Unit .. ..	1
Bedrests .. ..	97	Rubber Sheeting .. ..	12
Bedsteads .. ..	15	Sorbo Mattresses .. ..	13
Bed Table .. ..	1	Sorbo Rings .. ..	10
Commodes .. ..	124	Sorbo Squares .. ..	9
Crutches .. ..	11	Toilet Seat (raised) ..	6
Crutches —Elbow ..	4	Toilet Aid .. ..	4
Cushions .. ..	18	Tripod Sticks .. ..	19
Eneuresis Sets .. ..	18	Urinals, Male .. ..	57
Fracture Boards ..	18	Walking Aids .. ..	30
Invalid Chairs (adult) ..	77	Walking Sticks .. ..	28

TABLE 21

## Chiropody Service

CENTRE	No. of treatments
Horden .. ..	1042
Murton .. ..	1161
Easington .. ..	913
Peterlee .. ..	985
Thornley .. ..	228
Wingate .. ..	1217
Shotton .. ..	322
Wheatley Hill .. ..	478
	<hr/>
	6346
Domiciliary Treatment .. ..	1803
	<hr/>
TOTAL .. ..	8149
	<hr/>

## DOMESTIC HELP SERVICE

The demand for this service continued to increase during 1970 and a greater number of people were receiving assistance than previously.

The district is divided into two areas each supervised by an organiser, who engages and places domestic helps and investigates all applications for help.

### CHARGES

The charge for the service was 6s. 11d. per hour, but the amount payable may be reduced in accordance with the scale of charges which takes into account the ability of the family or individual to pay.

The following is a summary of work accomplished during 1970:—

Cases provided with help:—

Aged over 65 years	..	..	..	..	..	881
Chronic sick (aged under 65 years)	..	..	..	..	..	69
Maternity cases	..	..	..	..	..	2
						<hr/> 952 <hr/>
No. of cases attended 1st January, 1970	..				..	742
*No. of new cases during the year	..	..	..	..	..	233
No. of cases terminated during the year	..	..	..	..	..	199
No. of cases attended 31st December, 1970	..				..	776
No. of cases on waiting list at 31st December, 1970					.	13
No. of visits paid by organisers	..	..	..	..	..	5287
No of Domestic Helps employed at 31st December, 1970						359

\*Including 23 cases which ceased and recommenced later in the year.

## MENTAL HEALTH SERVICE

### STAFF

Senior Mental Welfare Officer	..	..	..	..	..	1
Mental Welfare Officers	..	..	..	..	..	2
Supervisors – Junior Training Centre	..	..	..	..	..	1
Superintendent (Male) – Adult Training Centre	..				..	1
Deputy Superintendent (Female) – Adult Training Centre	..				..	1
Other Supervisory Staff	..	..	..	..	..	6
Craft Instructors (Male) – Adult Training Centre	..				..	1

The Craft Instructor returned to duty after successfully completing a course leading to the Diploma of Teachers of the Mentally Handicapped.



## ACCOUNT OF WORK UNDERTAKEN IN THE COMMUNITY

## HOSPITAL ADMISSIONS

TABLE 22

HOSPITAL	Sect. 25	Sect. 26	Sect. 29	Sect. 60	Inform.	Temp.	TOTAL
<b>MENTALLY ILL</b>							
Winterton, Sedgefield	2	—	48	—	11	—	61
Cherry Knowle, Ryhope	—	—	3	—	1	—	4
General Hospital, H'pool	—	—	4	—	2	—	6
Total	2	—	55	—	14	—	71
<b>MENTALLY SUB-NORMAL</b>							
Prudhoe & Monkton	—	—	—	—	—	—	—
Aycliffe	—	—	—	—	—	1	1
Earl's House, Durham	—	—	—	—	—	2	2
TOTAL	—	—	—	—	—	3	3

## ASCERTAINMENT

Cases of mental subnormality are notified by School Medical Officers, General Practitioners, Health Visitors, Social Workers and Hospitals. Under section 57 of the Education Act, 1944, the Local Education Authority notified seven boys and three girls as unsuitable for education at school.

At the end of the year there were 377 mentally sub-normal persons on the register, 22 of these being added during the year, compared with 26 in 1969.

The supervision of mentally subnormal persons is carried out mainly by Mental Welfare Officers, although Health Visitors continue to supervise younger children. During the year 2,031 visits were made, 89 of these by Health Visitors.

## TRAINING CENTRES

Both Junior and Adult Training Centres at Easington continued to operate satisfactorily during the year and on 31st December, 1970, 44 children were in attendance at the Junior Training Centre and 56 trainees at the Adult Training Centre.

## NATIONAL ASSISTANCE ACT, 1948

### WELFARE OF THE BLIND AND PARTIALLY-SIGHTED

#### REGISTER AND REGISTRATION OF BLIND PERSONS

The number of blind persons on the register at 31st December, 1970, was 141, a decrease of ten during the year. Table 23 gives details.

**TABLE 23**  
**Blind Population according to Age and Sex**

	1 and under	2- 4	5- 10	11- 15	16- 20	21- 29	30- 39	40- 49	50- 59	60- 64	65- 69	70- 79	80 & over	TOTAL
M	—	—	1	2	3	3	6	4	6	7	4	16	9	61
F	—	1	—	—	2	1	—	5	9	5	9	24	24	80
TOTAL	—	1	1	2	5	4	6	9	15	12	13	40	33	141

During this period 7 blind persons were added to the register and 17 either died or left the district.

Three part-time ophthalmologists examined 29 cases referred to them. These cases were classified as follows:—

#### First Examination

No. certified blind .. .. .	5
No. certified partially-sighted .. .. .	10
No. certified not blind .. .. .	2
	<hr/>
	17

#### Re-examinations

No. certified blind .. .. .	2
No. certified partially-sighted .. .. .	9
No. certified not blind .. .. .	—
No de-certified from partially-sighted register .. .. .	1
	<hr/>
	12

#### REGISTRATION OF PARTIALLY-SIGHTED

The number of partially-sighted persons on the Council's register on 31st December, 1970, was 58 compared to 53 in 1969. Table 24 gives details.

TABLE 24

## Partially-sighted Persons according to Age and Sex

	0-1	2-4	5-15	16-20	21-49	50-64	65 and over	TOTAL
M	—	—	9	1	2	3	13	28
F	—	—	4	—	3	4	19	30
TOTAL	—	—	13	1	5	7	32	58

## EMPLOYMENT

The following information relates to trained blind persons in employment at the end of the year.

	Institution Workers
Royal Institute for the Blind, Sunderland ..	1
Hartlepool Workshops for the Blind, Hartlepool ..	3

## HOME TEACHING SERVICE

One Social Worker for the Blind is employed by this Authority. Visits are paid regularly to blind persons, classes are held for teaching handicrafts.

## TALKING BOOK MACHINES

At the end of the year 21 blind persons were using Talking Book Machines.

## WELFARE OF THE PHYSICALLY HANDICAPPED

At the end of the year there were 238 males and 202 females on the register, an increase of 114 during the year. The Council continues to adapt houses and build special purpose bungalows so as to give greater convenience and comfort to the physically handicapped.

During the year, car badges were issued to nineteen disabled drivers to enable them to obtain parking privileges.

### WELFARE OF THE DEAF

This service is operated on an agency agreement with the North-umberland and Durham Mission to the Deaf and Dumb. Welfare Officers visit and look after the general welfare of registered persons. At the end of the year the number of persons registered as deaf or hard of hearing was 47, classified as follows:—

					M.	F.	Total
Under 16 years	..	..	..	..	2	2	4
16-64 years	..	..	..	..	19	19	38
65 years and over	..	..	..	..	1	4	5
					22	25	47

## **FAMILY CASE WORK**

### **CHILDREN AND YOUNG PERSONS ACT, 1963**

During the year, the officers of this department received applications for assistance on 536 occasions. Most of these involved families which were on the verge of breakdown due to a variety of problems. At the end of the year, 150 such families were under supervision and the officers concerned had made 2,761 visits during the year. Material assistance was given to 63 families in the way of furniture and bedding donated by private persons.

As most of the problems involve housing, a system has been evolved whereby this department is informed as early as possible when Notices to Quit are issued, so that the appropriate officer may visit and try to solve the problem before any eviction is necessary. Out of 2,212 Notices to Quit issued only 19 families were actually evicted during the year.

A Family Case Conference is held at Peterlee at regular intervals during the year. The conference is to co-ordinate different services involved with problem families, i.e. Health Visitors, Domestic Help Organisers, Social Workers, Children's Officer, representatives from the Department of Health and Social Security and Probation Services.



SECTION V  
SCHOOL HEALTH SERVICE

PERIODIC MEDICAL INSPECTIONS

Medical Inspections are still carried out in the three groups:— Entrants, Ten Plus Age Group and Last Year of Compulsory Education.

Age Group inspected (By Year Birth)	No. of Pupils who have received full medical examinations	Physical Condition of Pupils Inspected		No. of Pupils found not to warrant a medical examination	Pupils found to require treatment (excluding dental diseases and infestation with vermin)		
		Satisfactory	Unsatisfactory		Defective vision (excluding squint)	For any other condition recorded at Part II	Total individual pupils
1	2	3	4	5	6	7	8
1966 and later	37	37	—		—	5	5
1965	265	264	1		22	49	65
1964	490	486	4		60	85	120
1963	569	565	4		106	101	173
1962	89	89	—		16	13	25
1961	—	—	—		—	—	—
1960	—	—	—		—	—	—
1959	27	26	1		8	8	13
1958	41	41	—		8	6	11
1957	52	51	1		8	11	16
1956	232	229	3		41	40	68
1955 and earlier	320	318	2		71	60	114
	2122	2106	16		340	378	610

The percentage of children whose physical conditions were found to be unsatisfactory was 0.75%. This is a small increase on 1969 the figure of 0.59%.

The number of children inspected was 2,133 of which 11 were specials.

49 re-inspections were carried out.

The number of children in schools at January, 1971 was, 17,058 divided as follows:—

							Number	Children on Roll
Nursery	..	..	..	..	..	..	1	40
Primary	..	..	..	..	..	..	46	10,685
Secondary, Grammar, Comprehensive	..	..				..	13	6,213
E.S.N. Day	..	..	..	..	..	..	1	120
							<hr/> 61	<hr/> 17,058

## DEFECTS FOUND AT MEDICAL INSPECTIONS DURING THE YEAR

Defect or Disease	Periodic Inspections							
	Entrants		Leavers		Others		Total	
	(T)	(O)	(T)	(O)	(T)	(O)	(T)	(O)
Skin .. .. .	40	10	22	1	5	1	67	12
Eyes—								
(a) Vision .. ..	204	145	111	25	24	7	339	177
(b) Squint .. ..	83	26	17	4	8	1	108	31
(c) Other .. ..	2	—	1	—	1	—	4	—
Ears—								
(a) Hearing .. ..	19	104	4	2	—	2	23	108
(b) Otitis Media ..	4	12	3	3	2	1	9	16
(c) Other .. ..	5	1	3	—	2	—	10	1
Nose and Throat ..	48	189	7	5	3	2	58	196
Speech .. .. .	9	36	1	1	—	—	10	37
Lymphatic Glands ..	—	8	1	1	—	—	1	9
Heart .. .. .	3	14	—	4	—	—	3	18
Lungs .. .. .	21	26	8	7	1	2	30	35
Developmental—								
(a) Hernia .. ..	4	8	—	—	—	—	4	8
(b) Other .. ..	2	10	1	—	—	—	3	10
Orthopaedic—								
(a) Posture .. ..	—	—	—	—	—	—	—	—
(b) Feet .. .. .	16	8	3	6	2	2	21	16
(c) Other .. ..	6	7	8	6	1	—	15	13
Nervous System—								
(a) Epilepsy .. ..	2	2	4	—	—	—	6	2
(b) Other .. ..	3	3	5	—	—	1	8	4
Psychological—								
(a) Development ..	5	17	3	6	—	2	8	25
(b) Stability .. ..	7	11	5	5	—	1	12	17
Abdomen .. .. .	11	11	1	4	1	3	13	18
Other .. .. .	8	7	20	3	2	1	30	11

(T) Number of pupils found to need treatment.

(O) Number of pupils found to need observation.

## SPECIAL INSPECTIONS

Defect or Disease	Special Inspections	
	Pupils requiring Treatment	Pupils requiring Observation
Skin .. .. .	3	—
Eyes—		
(a) Vision .. .. .	1	—
(b) Squint .. .. .	—	—
(c) Other.. .. .	—	—
Ears—		
(a) Hearing .. .. .	—	1
(b) Otitis Media .. .. .	—	—
(c) Other.. .. .	—	—
Nose and Throat .. .. .	—	—
Speech .. .. .	—	—
Lymphatic Glands .. .. .	—	—
Heart .. .. .	—	1
Lungs .. .. .	1	—
Developmental—		
(a) Hernia .. .. .	—	—
(b) Other.. .. .	—	—
Orthopaedic—		
(a) Posture .. .. .	—	—
(b) Feet .. .. .	—	1
(c) Other.. .. .	—	2
Nervous System—		
(a) Epilepsy .. .. .	—	—
(b) Other.. .. .	—	1
Psychological—		
(a) Development .. .. .	—	1
(b) Stability .. .. .	3	—
Abdomen .. .. .	1	—
Other .. .. .	—	—

### PERMANENT SCHOOL CLINICS

Clinic	Sessions	Sessions
PETERLEE Fleming Place	Medical Officer Friday Dental Officer Daily Child Guidance Clinic Wednesday (alternate)  Building used by Maternity and Child Welfare and School Health Service	Speech Therapist—Mon., Wed. (a.m.) Thur., Fri.(p.m.) Educational Psychologist— By arrangement Audiometrician— By arrangement Ophthalmologist Fri. (a.m.)
MURTON Woods Terrace	Medical Officer Alt. Thur. (a.m.)  Dental Officer Wed. & Fri. Speech Therapist Tues. (a.m.) Building used by Maternity and Child Welfare and School Health Service	Educational Psychologist— By arrangement Audiometrician— By arrangement
WINGATE 'Oaklea', Fir Tree	Medical Officer alt. Mon. (a.m.) Dental Officer Mon., Tues., & Thursday. Ophthalmologist Wednesday (a.m.)  Building used by Maternity and Child Welfare and School Health Service	Speech Therapist Wed.(p.m.) Educational Psychologist By arrangement
WHEATLEY HILL School House, Front Street	Medical Officer Alt. Thursdays (p.m.)  Building used by Maternity and Child Welfare and School Health Service	Educational Psychologist By arrangement

The School clinics continue to be held at fixed times to allow Head Teachers, Educational Welfare Officers, etc. to refer children without previous appointment, when they require a medical examination.

The majority of children seen at school clinics attend by appointment, e.g. persistent absentees, requests for change of school, behaviour problems, etc. The majority of college entrants and Superannuation and Sick Pay examinations are also carried out during the routine clinic times.



**Analysis of Cases examined at the School Clinics during  
the year 1970**

Defect or Disease	No. of cases	No. Exam.
1. Cleanliness .. .. .	—	—
2. Infestation – Head .. ..	1	1
Body .. ..	—	—
3. Teeth .. .. .	1	1
4. Skin (a) Ringworm of Scalp ..	—	—
(b) Ringworm of Body ..	1	1
(c) Other .. .. .	13	21
5. Eyes (a) Vision .. .. .	43	45
(b) Squint .. .. .	—	—
(c) Other .. .. .	4	4
6. Ears (a) Hearing .. .. .	446	1009
(b) Otitis Media—R ..	1	1
—L ..	—	—
(c) Other .. .. .	1	3
7. Nose and throat .. .. .	17	25
8. Speech .. .. .	8	8
9. Lymphatic Glands .. .. .	—	—
10. Heart and Circulation .. ..	5	6
11. Lungs .. .. .	11	24
12. Development(a) Hernia .. ..	—	—
(b) Other .. ..	2	2
13. Orthopaedic (a) Posture .. ..	—	—
(b) Feet .. ..	2	2
(c) Other .. ..	8	11
14. Nervous System (a) Epilepsy ..	1	1
(b) Other .. ..	6	10
15. Psychological (a) Development	9	14
(b) Stability ..	62	172
16. Abdomen .. .. .	10	12
17. General Debility .. .. .	17	65
18. Other Defects .. .. .	9	12
19. No appreciable Defect or Disease	3	3
TOTALS .. .. .	693	1,453

## Other Facilities for Medical Treatment

### VISION TESTING

Weekly Sessions continue to be held at Peterlee and Wingate School Clinics. During the year 633 children were tested and spectacles were prescribed in 273 cases.

69 children who required orthoptic treatment were referred to Sunderland Eye Infirmary.

Vision Testing was also carried out in schools prior to school medical inspection.

### AUDIOMETRIC TESTING

The Audiometrician continued to visit Infant Schools to carry out a sweep test of hearing and 45 schools were visited during the year. 3,781 were tested and of these 291, i.e. 7.70%, failed testing. In addition, all children referred for speech therapy or for examination as possibly educationally sub-normal are also tested for possible hearing loss.

1,335 appointments for audiometric tests were arranged at school clinics throughout the area during the year and the results were as follows:—

P.H.U. . . . .	1
Referred to G.P. . . . .	93
For further Observation . . . . .	704
Appointments not kept . . . . .	311
No further action . . . . .	226

### HEARING AIDS

All children with hearing aids who attend ordinary schools are seen at intervals by the School Medical Officers together with Mr. L. C. Smith, County Organiser for Deaf Education. Annual reports are also received from the Head Teachers on the pupils educational progress. After the reports are received, the children are then examined to ensure that each is receiving the maximum benefit from the hearing aid. At the end of 1970, 17 children were wearing hearing aids, 12 of these were attending ordinary schools, 3 attending Partially Hearing Units, 1 attending residential school for the Deaf and 1 was a pre-school child. In addition, pre-school children referred by the Chief Nursing Officer as having possible hearing defects are also seen at these joint clinics.

### CHILD GUIDANCE CLINIC

Dr. E. Bruce, Assistant Psychiatrist, holds one day sessions on alternate Wednesdays at Peterlee Clinic.

During the year, there were 153 attendances by 43 children. Of these, 14 were carried forward from 1969 and 29 were new cases.

15 children were discharged from treatment during the year, 1 girl was admitted to the Chester-le-Street Childrens Homes. 1 boy who was admitted to Leafield Hostel in 1969 attended child guidance and 1 boy was recommended for admission to Leafield Hostel.

One boy seen at the child guidance clinic was recommended for replacement at Redworth Hall Residential School and one boy was placed in Red Hill Special School.

At the end of the year two girls and two boys were awaiting placement in Maladjusted schools.

There is still a lengthy waiting list and children have to wait several weeks for an appointment. Cases are generally referred by the Educational Psychologist, the family doctor and the courts.

Physically and mentally handicapped children are ascertained either at clinics or where necessary at home.

The following figures show the distribution of handicapped children in the various categories at the end of the year.

Blind	..	..	..	..	..	..	..	..	4
Partially sighted	..	..	..	..	..	..	..	..	8
Deaf	..	..	..	..	..	..	..	..	3
Partially hearing		..	..	..	..	..	..	..	8
Physically Handicapped		..	..	..	..	..	..	..	25
Delicate	..	..	..	..	..	..	..	..	10
Epileptic	..	..	..	..	..	..	..	..	—
E.S.N.	..	..	..	..	..	..	..	..	179
Maladjusted	..	..	..	..	..	..	..	..	11

The above figures include pupils at ordinary schools. In all 39 children are attending special schools. (Apart from E.S.N.)

#### (a) *Blind*

During the year, one pupil moved out of the area and another one transferred from Queen Alexandra College to the Royal Normal College. At the end of the year, there were four pupils in residential schools for the blind.

#### *Partially Sighted*

During the year, one pupil left a Partially Sighted residential school and one pupil was admitted to the Day School for Partially Sighted making a total of eight pupils in Residential and Day schools at the end of the year.

#### (b) *Deaf and Partially Hearing*

During the year, one pupil was admitted to the Northern Counties Boarding School for deaf, making a total of three pupils in Boarding



Schools at the end of the year. Five pupils were admitted to the Partially Hearing Unit during the year and twelve pupils left. Four of the five pupils who were admitted, left before the end of the year, leaving eight pupils in Partially Hearing Units at the end of the year.

(c) *Physically Handicapped Pupils*

One pupil left a Boarding School during the year and there are four pupils in Day Schools making a total of six pupils in Physically Handicapped Schools.

At the end of the year, four pupils were receiving home tuition. One boy who was recommended for home tuition during the year was admitted to a Partially Sighted Day School and two pupils were still awaiting home tuition at the end of the year.

Fifteen pupils were receiving special transport to schools at the end of the year.

(d) *Delicate Pupils*

During the year, one pupil was admitted to a Boarding School and two pupils left such schools making a total of three pupils in Boarding Schools at the end of the year. Four pupils were receiving home tuition and two were receiving special transport to school. At the end of the year, one pupil was still awaiting placement in a Special School for Delicate.

(e) *Epileptic Pupils*

Special Transport was discontinued for one boy who left an ordinary school at the end of the summer term.

(f) *Educationally Sub-normal Pupils*

Five pupils were admitted to E.S.N. Residential Schools and four pupils left during the year making a total of 16 pupils attending residential schools at the end of the year. 119 pupils are attending the Special Day School at Horden. At the end of the year, there were still 4 children attending the Day School living outside the Easington Rural District Area.

(g) *Maladjusted Pupils*

During the year, two boys were admitted to Residential Schools for the Maladjusted and one boy left. One pupil transferred from Cicely Haughton Residential School to Redworth Hall making a total of seven pupils in Residential Schools. At the end of the year two girls and two boys were still awaiting placement.

## MISCELLANEOUS MEDICAL EXAMINATIONS

(Figures in brackets relate to 1969)

For part-time employment while still attending school	2	(5)
College Entrants and Intending Teachers .. ..	101	(107)
Superannuation and Sick Pay Cases .. .. .	95	(156)

## VACCINATION AND IMMUNISATION

Heaf testing of school entrants, testing and B.C.G. vaccination of children in Secondary Modern Schools was carried out by the Medical Officer of Health and his staff. The Medical Officer also offered a further course of Rubella to all thirteen year old girls in senior schools.

During the year a total of 38 schools were visited by the School Medical Officer and staff in order to carry out Poliomyelitis and Diphtheria Tetanus vaccination. 117 full courses of poliomyelitis and 321 poliomyelitis boosters were given. In an offer to school entrants, 450 booster doses and 112 primary immunisations of diphtheria tetanus were given.



## DENTAL SERVICES

The four dental surgeries are still in operation, two surgeries at Peterlee working full-time and Wingate and Murton part-time. Mr. D. A. Dixon, Consultant Orthodontist attended Peterlee Clinic each month and Dr. H. G. Saunders, Consultant Anaesthetist attends all clinics to administer general anaesthetics.

### ATTENDANCES AND TREATMENT

	Ages 5 to 9	Ages 10 to 14	Ages 15 and over	Total
First Visit .. .. .	1,585	1,428	266	3,279
Subsequent Visits .. ..	2,075	2,542	383	5,000
Total Visits .. .. .	3,660	3,970	649	8,279
Additional courses of treatment commenced ..	125	153	15	293
Fillings in permanent teeth	1,736	3,508	789	6,033
Fillings in deciduous teeth	1,717	41	—	1,758
Permanent Teeth filled ..	1,338	2,919	738	4,995
Deciduous teeth filled ..	1,425	34	—	1,459
Permanent teeth extracted	128	546	88	762
Deciduous teeth extracted	2,545	705	—	3,250
General anaesthetics ..	849	365	22	1,236
Emergencies .. .. .	47	33	6	86
Number of pupils x-rayed .. ..			281	
Prophylaxis .. .. .			366	
Teeth otherwise conserved .. ..			404	
Number of teeth root filled .. ..			20	
Inlays .. .. .			1	
Crowns .. .. .			7	
Courses .. .. .			2,661	

### ORTHODONTICS

Cases remaining from previous year ..	96
New cases commenced during year ..	150
Cases completed during year ..	106
Cases discontinued during year ..	12
No. of removable appliances fitted ..	205
No. of fixed appliances fitted ..	4
Pupils referred to Hospital Consultant	30

## PROSTHETICS

	5 to 9	10 to 14	15+	Total
Pupils supplied with F.U. or F.L. (first time) ..	—	—	—	—
Pupils supplied with other dentures (first time) ..	1	19	5	25
Number of dentures supplied .. .. .	1	23	5	29

## ANAESTHETICS

General Anaesthetics administered by Dental Officers	Nil
--	-----

## INSPECTIONS

(a) First inspection at school. Number of Pupils ..	7,400
(b) First inspection at clinic. Number of Pupils ..	886
Number of (a) + (b) found to require treatment	3,702
Number of (a) + (b) offered treatment ..	3,680
(c) Pupils re-inspected at school or clinic .. ..	1,053
Number of (c) found to require treatment ..	374

## SESSIONS

Sessions devoted to treatment ..	1,182
Sessions devoted to inspection ..	48
Sessions devoted to Dental Health Education .. .. .	10

### CLEANLINESS INSPECTION IN SCHOOLS

The 4 school Nurses carried out the majority of the cleanliness inspection with some help from health visitors. 718 visits were made to schools, details as follows:—

	No. Inspected	No. Unclean	No. Verminous
1st Inspection	14,800	10	10
1st Re-inspection	1,717	2	3
2nd Re-Inspection	1,885	2	10
3rd Re-Inspection	1,703	1	10
4th Re-Inspection	2,005	3	14
5th Re-Inspection	2,252	3	10
6th Re-Inspection	1,926	8	7
7th Re-Inspection	1,546	15	3
8th Re-Inspection	1,282	10	6
9th Re-Inspection	1,202	7	10
10th Re-Inspection	519	5	9
11th Re-Inspection	40	—	5
12th Re-Inspection	24	—	—

Following these inspections 2,288 visits were paid to the children's homes. School nurses also made follow up visits to the homes of those children who have been discharged from hospital.

School nurses have also carried out visits following complaints by E.W.O.'S Head Teachers, etc (e.g. query scabies and impetigo) and also in connection with various services of Health Department applicable to school children. The school nurses also carried out a large number of foot inspections both in the homes and schools.

## SECTION VI

### SANITARY CIRCUMSTANCES OF THE AREA

#### REPORT OF THE SENIOR PUBLIC HEALTH INSPECTOR

To the Medical Officer of Health

Sir,

I have pleasure in submitting a report of the work undertaken by the Inspectors of this Department during the year 1970.

Part of the work undertaken by the Inspectors has been put in table form and as will be seen the many aspects of environmental hygiene have been well covered.

Again much time has been given to food and meat hygiene and inspection, whilst on the Housing side, not only was time given to Clearance of houses, but also to the greater number of Standard Grant applications as had been hoped.

I am once again grateful for the assistance of my colleagues and the co-operation of the Chief Officers.

I am Sir,

Your obedient Servant,

R. E. V. WARRAND

Senior Public Health Inspector.

## WATER SUPPLY

The statutory water undertaking is Sunderland & South Shields Water Company, and water which is supplied to all parts of the rural district, is adequate in quantity.

Forty-four samples of mains water were taken from consumers' premises and submitted for bacteriological examination at the Public Health Laboratory, Sunderland. All were reported as satisfactory.

A typical analysis of a mains supply is as follows:—

CHEMICAL ANALYSIS	EXPRESSED IN PARTS PER MILLION
Dissolved Oxygen .. .. .	—
Free CO <sub>2</sub> .. .. .	—
Alkalinity (CaCO <sub>3</sub> ) .. .. .	164·0
Chlorides (Cl) .. .. .	38·0
Amoniacal Nitrogen .. .. .	0·008
Albuminoid Nitrogen .. .. .	—
Nitrite as Nitrogen .. .. .	nil
Nitrate as Nitrogen.. .. .	0·8
Oxygen Absorbed (3 hrs. at 37°C.) .. .. .	0·71
Temporary Hardness .. .. .	164·0
Permaent Hardness .. .. .	55·0
Total Hardness .. .. .	219·0
Total Solids (dried at 180°C.) .. .. .	390·0
Suspended Solids (dried at 105°C.) .. .. .	—
Calcium (Ca) .. .. .	44·0
Magnesium (Mg) .. .. .	26·0
Aluminium (Al) .. .. .	nil
Iron (Fe) .. .. .	0·05
Manganese (Mn) .. .. .	nil
Carbonate (CO <sub>3</sub> ) .. .. .	98·0
Sulphate (SO <sub>4</sub> ) .. .. .	97·0
Silica (SiO <sub>2</sub> ) .. .. .	4·0
Residual Chlorine .. .. .	< 0·1
Fluoride as F .. .. .	0·3

The above analysis relates to the water supplied from New Winning Pumping Station, and although of a temporary hard nature is satisfactory in quality.

Further to the above, 18 samples were taken from two school swimming pools. Again, one sample had a high bacterial count, but after adjustment of the chemical dosage apparatus, subsequent samples proved satisfactory.



Particulars of the number of dwelling houses and the number of the population supplied from public water mains (a) direct to houses (b) by means of standpipes are given in the following table:—

LOCALITY	1	2	3	4	5
	Estimated population	Area in acres	Number of houses and other premises with dwelling ac'm'dat'n	No. of Houses with mains supply direct to houses	No. of Houses with mains supply from stand-pipes
Burdon ..	72	1280	27		
Seaton with Slingley ..	441	1392	183	218	—
Warden Law ..	14	500	8		
Castle Eden ..	362	1546	168	168	—
Cold Hesledon ..	815	1150	305	563	—
Dalton-le-Dale ..	642	691	258		
Easington ..	9002	3709	3170	3170	—
Haswell ..	2140				
South Hetton ..	2731	3767	1765	1765	—
Hutton Henry ..	322	2012	806	806	—
Station Town ..	1827				
Hawthorn ..	266	1413	129	129	—
Blackhall ..	5957				
Hesledens ..	1080	2654	2510	2510	—
Murton East ..	8224	1406	3001	3001	—
Sheraton with Hulam ..	83	2346	41		
Nesbitt ..	7	333	3	44	—
Shotton ..	5123	1421	1760	1760	—
Horden ..	11118	1302	3699	3699	—
Peterlee ..	21277	2007	6917	6917	—
Thornley ..	3791	1148	1402	1402	—
Wingate ..	3292				
Wheatley Hill ..	5182	4570	3711	3711	—
Trimdon ..	1532				
TOTALS ..	85300	34647	29863	29863	—

The following table shows the principal nuisances and defects dealt with during the year under the Public Health and Housing Acts:—

	No. of inspections	No. of Informal Notices served	No. of Statutory Notices served	Defects remedied after Notice
Housing:				
Public Health and Housing Acts ..	4824	206	9	180
Overcrowding .. ..	41	—	—	—
Sanitary Conveniences:				
Insufficient .. ..	—	—	—	—
Defective .. ..	59	10	—	9
Drainage .. ..	324	46	4	56
Water Supply .. ..	162	6	—	6
Food Premises .. ..	2151	25	—	15
O.S. & R.P. Act .. ..	206	5	—	5
Dairies .. ..	93	—	—	—
Slaughterhouses:				
Public .. ..	—	—	—	—
Private .. ..	1301	—	—	—
Tents, Vans, etc. ..	58	—	1	—
Offensive Trades ..	—	—	—	—
Factories & Workplaces	233	10	—	8
Keeping of Animals ..	29	6	—	5
Insanitary Ashpits and Receptacles .. ..	30	5	—	4
Offensive accumulations	123	16	—	14
Smoke Nuisances ..	79	1	—	1
Prevention of Damage by Pests Act, 1949 ..	1924	2	—	2
TOTALS ..	11637	338	14	305

### CLEAN AIR ACT, 1956-70

316 visits were made, 79 after complaints of smoke nuisance and 237 in connection with the proposed Smoke Control Area of Peterlee. Plans submitted to the Engineer & Surveyor were vetted for correct chimney heights, the type of furnaces, etc., and approved after consultation with the contractors.

### CARAVAN SITES & CONTROL OF DEVELOPMENT ACT, 1960

There are 112 caravans on the three licensed sites.

The local authority site houses approximately 1300 caravans during the summer months.

All sites are subject to frequent inspections.

### VERMINOUS PREMISES

Three Council houses and five private houses were disinfested of bed bugs. Accounts were rendered in the case of all privately owned dwellings to cover the cost of time and materials used.

In 166 cases of infestation of house property by cockroaches, etc., advice and active assistance were given.

### INFECTIOUS DISEASE INVESTIGATION

53 visits to households were made during the year in respect of infectious diseases. Disinfection was carried out where necessary and in the case of Sonne dysentery, paratyphoid fever and food poisoning approximately 22 faecal specimens were taken for bacteriological examination. Newly appointed school meals attendants were checked against the possibility of bowel infection, and 240 specimens were submitted to the laboratory.

### LICENSED PREMISES, CLUBS, ETC.

Fifty-three inspections were carried out at licensed premises and clubs.

### CINEMAS AND PUBLIC HALLS

Sixty-seven inspections were made in respect of heating, lighting, ventilation and sanitary accommodation. Three informal notices were served and complied with.

### ANIMAL BOARDING ESTABLISHMENTS

Regular visits were made to the premises licensed in the area.

### OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

206 visits were made by the inspectors to registered premises. 3 premises were registered during the year, making a total of 627.

The following table gives an analysis of contraventions:-

**Offices, Shops & Railway Premises Act, 1963**  
**(A) REGISTRATIONS AND GENERAL INSPECTIONS**

Class of Premises	Number of premises registered during the year	Number of registered premises at end of year	No. of registered premises receiving a general inspection during the year
Offices .. ..	—	166	50
Retail Shops ..	3	392	103
Wholesale shops, Warehouses ..	—	9	9
Catering establishments open to the public, canteens .. ..	—	59	56
Fuel storage depots ..	—	1	1
TOTALS ..	3	627	219

TOTAL NUMBER OF VISITS OF ALL KINDS BY INSPECTORS TO REGISTERED PREMISES UNDER THE ACT—219

**(B) ANALYSIS OF CONTRAVENTIONS**

Sec.	No. of Contraventions found			Sec.	No. of Contraventions found		
4	Cleanliness .. ..	7		13	Sitting facilities .. ..	—	
5	Overcrowding .. ..	—		14	Seats (Sedentary Workers)	—	
6	Temperature .. ..	2		15	Eating facilities .. ..	—	
7	Ventilation .. ..	—		16	Floors, passages & stairs	—	
8	Lighting .. .. .	—		17	Fencing exposed parts machinery .. ..	—	
9	Sanitary conveniences ..	3		18	Protection of young persons from dangerous machinery .. ..	—	
10	Washing facilities ..	1		19	Training of young persons working at dangerous machinery .. ..	—	
11	Supply of drinking water	—		23	Prohibition of heavy work	—	
12	Clothing accommodation	1		24	First aid .. .. .	1	
				Other matters .. ..			—
				TOTAL .. .. .			15

28 non-fatal accidents were reported.



## RODENT CONTROL

Two sewer maintenance treatments were carried out during the financial year at six-monthly intervals. The following particulars show that of the 190 manholes baited, 48 gave evidence of rat infestation:—

No. of Manholes Baited	..	..	..	190
No. of Manholes Baited showing part takes of poison bait	..	..	..	30
No. of Manholes Baited showing complete takes of poison bait	..	..	..	18

During the year inspection of 566 non-agricultural properties revealed rat infestation in 357 instances and mice infestation in 151. Of the 67 agricultural properties inspected, 7 were treated for rat infestation and 5 for mice.



**MINISTRY OF AGRICULTURE, FISHERIES AND FOOD**  
**ANNUAL REPORT ON RATS AND MICE**

**Prevention of damage by Pests Act, 1949**

YEAR ENDED 31st DECEMBER, 1970

**EASINGTON RURAL DISTRICT COUNCIL**

**PROPERTIES  
OTHER THAN SEWERS**

1. Number of properties in district
2. a Total number of properties (including nearby premises) inspected following notification
- b Number infested by (i) Rats  
      Number infested by (ii) Mice
3. a Total number of properties inspected for rats and/or mice for reasons other than notification
- b Number infested by (i) Rats  
      Number infested by (ii) Mice

TYPE OF PROPERTY	
NON-AGRICULTURAL	AGRICULTURAL
33942	324
566	2
357	2
151	2
90	67
63	7
5	5

**SEWERS**

4. Were any sewers infested by rats during the year?

<b>YES</b>  <div style="font-size: 2em; margin: 10px 0;">✓</div> <div style="border: 1px solid black; width: 20px; margin: 0 auto; text-align: center;">1</div>	<b>NO</b>  <div style="border: 1px solid black; width: 20px; margin: 0 auto; text-align: center;">0</div>
---	---

## HOUSING

The number of inspections of Council houses was 97. Colliery property in some villages, however, is still inspected.

41 visits were made in respect of overcrowding conditions and the facts reported to the persons concerned.

### INSPECTIONS AND NOTICES UNDER THE HOUSING ACTS, 1957-69.

Number of visits and re-visits .. ..	2175
Number of informal notices served ..	52
Number of formal notices served ..	9
Number of notices complied with ..	49

## FACTORIES ACT, 1961

During the year 233 inspections of premises subject to the provisions of the above Act were made, principally in connection with sanitary accommodation, and in those factories where mechanical power is not employed to ensure adequate lighting, ventilation, heating, general cleanliness and prevention of overcrowding in workrooms.

Ten informal notices to remedy defects were served, with satisfactory results in all cases.

FATORIES ACT 1961

**PART I OF THE ACT.**

1.—INSPECTIONS for purposes of provisions as to health  
(including inspections made by Public Health Inspectors)

Premises (1)	Number on Register (2)	Number of		
		Inspections (3)	Written notices (4)	Occupiers prosecuted (5)
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities .. .. .	28	57	7	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority .. .. .	136	151	1	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ..	11	25	2	—
<b>TOTAL .. .. .</b>	<b>175</b>	<b>233</b>	<b>10</b>	<b>—</b>

## 2.—Cases in which DEFECTS were found.

Particulars (1)	Number of cases in which defects were found				Number of cases in which prosecutions were instituted (6)
	Found (2)	Remedied (3)	To H.M. Inspector (4)	Referred By H.M. Inspector (5)	
Want of cleanliness (S.1) .. ..	11	11	—	—	—
Overcrowding (S.2) .. ..	—	—	—	—	—
Unreasonable temperature (S.3) ..	—	—	—	—	—
Inadequate ventilation (S.4) .. ..	—	—	—	—	—
Ineffective drainage of floors (S.6) ..	2	2	—	—	—
Sanitary Conveniences (S.7)	—	—	—	—	—
(a) Insufficient .. ..	—	—	—	—	—
(b) Unsuitable or defective .. ..	6	4	—	2	—
(c) Not separate for sexes .. ..	—	—	—	—	—
Other offences against the Act (not including offences relating to Outwork)	—	—	—	—	—
TOTAL .. ..	19	17	—	2	—

# **PART VIII OF THE ACT**

## **OUTWORK**

(Sections 133 and 134)

Nature of Work  (1)	Section 133			Section 134		
	No. of out-workers in August list required by Section 133 (1) (c) (2)	No. of cases of default in sending lists to the Council (3)	No. of prosecutions for failure to supply lists (4)	No. of instances of work in unwholesome premises (5)	Notices served (6)	Prosecutions (7)
Carding, etc. of buttons, etc.	11	—	—	—	—	—



## SUPERVISION OF FOOD SUPPLIES

### INSPECTION OF MEAT AND OTHER FOODS

#### MEAT

The number of licensed private slaughterhouses was seven and a good standard was maintained at each of the premises.

Perusal of the following tables will show that 19,734 animals have been slaughtered, all of which were inspected, and that 1,063 stones of meat and edible offal were condemned and suitably disposed of.

No difficulties were experienced in maintaining 100% meat inspection. Charges for inspection of carcasses passed for human consumption are still being made. A total of £894 was received for this service during the year.

#### OTHER FOODS

The inspectors of the department have continued to issue condemnation certificates in support of trader's claims against suppliers. These certificates are normally accepted without question by the suppliers.

During the year 189 stones of other foods were condemned, a decrease of 183 stones on the figure of 372 for the year 1969.

#### POULTRY

There are no poultry processing premises within the district.

	Cattle excluding Cows	Cows	Calves	Sheep	Pigs
Number Slaughtered .. ..	3547	99	13	13305	2770
Whole Carcasses condemned (T.B. only) .. .	—	—	—	—	—
Carcasses of which some part or organ condemned (T.B. only) .. .		—	—	—	—
Percentage of number inspected affected with T.B. .. .		—	—	—	—
Carcasses condemned (All diseases and conditions excluding T.B.)	1	—	4	17	14
Carcasses of which some part or organ condemned. (All diseases and conditions excluding T.B.)		852	—	768	221
Percentage of number inspected affected with disease or condition other than T.B. .. .		23.36%	—	5.77%	7.97%

## Carcases, Organs and Offal condemned as being unfit for Human Consumption during the year 1970.

	Carcases, etc.				Lungs (Sets)			Hearts			Kidneys			Livers			Heads and Tongues			Sets Stomachs and Intestines			Fat			Udders			Spleen			Plucks		
	Beef	Veal	Mutton	Pork	Ox	Sheep	Pig	Ox	Sheep	Pig	Ox	Sheep	Pig	Ox	Sheep	Pig	Ox	Sheep	Pig	Ox	Sheep	Pig	Ox	Sheep	Pig	Cow	Ewe	Sow	Ox	Sheep	Pig	Ox	Sheep	Pig
Abscesses .. .. .			1	6										91		1	1		2															
Actinobacillosis .. .. .																		6																
Actinomycosis .. .. .																	1																	
Arthritis .. .. .				2																														
Ascariasis .. .. .																28																		
Cirrhosis .. .. .														187		77																		
Congestion .. .. .																															2			
Corynebacterium .. .. .																			1															
Cystic conditions .. .. .					8																													
Cysticercus Bovis .. .. .								2																										
Distomatosis .. .. .														674+405 Part Livers																				
Emaciation .. .. .			9	1																														
Nephritis .. .. .											3	2																						
Neoplasm .. .. .																	1																	
Oedema .. .. .			2	2																														
Pentastomes .. .. .															8																			
Pericarditis .. .. .								8	2	34																								
Peritonitis .. .. .															1	2																		
Pleurisy .. .. .					48																													
Pneumonia .. .. .					17	37	41																											
Pyæmia .. .. .				2																														
Septic Conditions .. .. .	1	1																																
Splenitis .. .. .																															4			
Telangiectasis .. .. .														5																				
Traumatism .. .. .			2																															
Umbilical Pyæmia .. .. .		1																																

## MEAT SURRENDERED FOR OTHER REASONS

	sts.	lbs.
Beef .. .. .	8	8
Pork .. .. .	2	9½
Mutton .. .. .	13	5



Provisions, Fish, etc. Condemned as being unfit for Human Consumption during the year 1970

Cause of Unfitness	Provisions, Loose	Tinned/Bottled Foods	Fish and Fish Products
Abnormal Odour Decomposition	Bacon 6 6 Bacon 1 0 Gammon 1 6 Roast Pork 1 1 Sundries 16 0		sts. lbs.
Smoke Damage			
Condemned as unfit due to breakdown of refrigerator	Frozen Foods 49 7		Frozen Fish 12 4
Decomposition due to Blown and Damaged Tins		85 Tins Fish Products 13 437 Tins Fruit 34 4 248 Tins Meat Products 31 9 $\frac{3}{4}$ 110 Tins Milk 6 8 3 Tins Sundries 2 2 446 Tins Vegetables 27 9 4 Jars Preserves 4	
Broken Jars			



Total weight of Meat and Edible Offal condemned .. .. .	1,063 sts. 7 lbs.
Total weight of Tinned Foods, etc. condemned .. .. .	189 sts. 3 $\frac{3}{4}$ lbs.
Total Weight ..	<u>1,252 sts. 10<math>\frac{3}{4}</math> lbs.</u>
= 7 Tons 16 cwts. 4 st. 10 $\frac{3}{4}$ lbs.	

Year ending 31st December	Weight of Meat and Other Foods Condemned			
	tons	cwts.	sts.	lbs.
1961 .. .. .	18	15	6	13 $\frac{3}{4}$
1962 .. .. .	16	11	4	1 $\frac{1}{4}$
1963 .. .. .	14	13	7	9 $\frac{1}{4}$
1964 .. .. .	16	12	2	9
1965 .. .. .	11	3	5	6 $\frac{3}{4}$
1966 .. .. .	14	16	2	11 $\frac{3}{4}$
1967 .. .. .	16	13	0	1 $\frac{3}{4}$
1968 .. .. .	16	2	1	10 $\frac{3}{4}$
1969 .. .. .	13	14	1	7 $\frac{3}{4}$
1970 .. .. .	7	16	4	10 $\frac{3}{4}$

#### PUBLIC HEALTH (MEAT) REGULATIONS

In general the conveyances used for the transport of meat to the retail premises in the district were kept clean and well maintained. On occasions a reminder was given on the absence or condition of the protective clothing.

#### SLAUGHTER OF ANIMALS ACT, 1958

All animals were stunned and slaughtered by competent licensed slaughtermen and all precautions taken to prevent any unnecessary suffering by the animals.

The number of licences issued during the year to persons authorising them to slaughter animals in a slaughterhouse or knackers yard was 12. This figure included two new licenses issued during the year.

#### FOOD AND DRUGS ACT, 1955

In the rural district regular inspections continued to be made of all premises where food is prepared, stored, handled or sold.

Appropriate action has been taken under the Food Hygiene Regulations of the Act requiring occupiers of food premises to conform to the standards laid down.

## FOOD HYGIENE (GENERAL) REGULATIONS, 1970.

The number and types of food premises in the district are as follows:—

Category							No. of Premises
Bakeries	..	..	..	..	..	..	17
Bakers' Shops	..	..	..	..	..	..	35
Butchers	..	..	..	..	..	..	41
Brewery	..	..	..	..	..	..	1
Cafes	..	..	..	..	..	..	8
Chemists	..	..	..	..	..	..	24
Dairies	..	..	..	..	..	..	3
Factory Canteens	..	..	..	..	..	..	41
Food Factories	..	..	..	..	..	..	7
Fried Fish Shops	..	..	..	..	..	..	38
General Dealers	..	..	..	..	..	..	118
Greengrocers	..	..	..	..	..	..	26
Grocers (including supermarkets)	..	..	..	..	..	..	79
Hotels & Public Houses	..	..	..	..	..	..	60
Licensed Clubs	..	..	..	..	..	..	50
Off Licence Shops	..	..	..	..	..	..	7
School Kitchens	..	..	..	..	..	..	33
Snack Bars	..	..	..	..	..	..	12
Sweet Shops	..	..	..	..	..	..	31
Wet Fish Shops	..	..	..	..	..	..	9
Wholesale Premises	..	..	..	..	..	..	3
TOTAL							643

N.B. Where two or more types of trade are carried on in the same building, only the major business is included in the above table.

Ice-cream samples numbering 93 were submitted to the Public Health Laboratory, Sunderland for bacteriological examination. The villages at which the samples were collected and their grading are shown in table form. All ice-cream samples attaining grades one and two are regarded as satisfactory. The high standard in the district is still being maintained.

Year	No. of samples taken	No. satisfactory	Percentage satisfactory
1964	102	97	95%
1965	97	96	99%
1966	98	96	98%
1967	94	84	85%
1968	99	92	93%
1969	88	82	93%
1970	93	88	94%

(All samples submitted to Methylene Blue Reduction Test)

ICE CREAM SAMPLING—YEAR 1970.

District	Methylene Blue							
	Grades							
	1	%	2	%	3	%	4	%
Blackhall Colliery	1	100.0	—	—	—	—	—	—
Blackhall Rocks ..	1	100.0	—	—	—	—	—	—
Crimdon ..	2	100.0	—	—	—	—	—	—
Dalton-le-Dale ..	2	100.0	—	—	—	—	—	—
Easington Colliery	14	100.0	—	—	—	—	—	—
Horden ..	15	71.4	4	19.1	2	9.5	—	—
Murton ..	10	100.0	—	—	—	—	—	—
Peterlee ..	7	70.0	3	30.0	—	—	—	—
Shotton ..	1	100.0	—	—	—	—	—	—
South Hetton ..	2	100.0	—	—	—	—	—	—
Thornley ..	6	60.0	2	20.0	—	—	2	20.0
Wheatley Hill ..	6	85.7	1	14.3	—	—	—	—
Wingate ..	9	75.0	2	16.6	—	—	1	8.4
Totals ..	76	81.7	12	12.9	2	2.2	3	3.2

Total Methylene Blue Samples .. .. . 93

# MILK SAMPLING.

130 samples of raw and heat treated milk were taken for examination during 1970, with the following results:—

	No. of Samples Taken	Methylene Blue Test			Phosphatase Test			Turbidity Test		
		Satisfactory	Unsatisfactory	% Unsatisfactory	Satisfactory	Unsatisfactory	% Unsatisfactory	Satisfactory	Unsatisfactory	% Unsatisfactory
Untreated Milk ..	9	9	—	—	—	—	—	—	—	—
Pasteurised Milk ..	110	107	3	2.72	110	—	—	—	—	—
Sterilised Milk ..	11	—	—	—	—	—	—	11	—	—
Ultra-heat Treated Milk ..	—	—	—	—	—	—	—	—	—	—



## MILK SUPPLY—SUPERVISION

Regular inspections of dairies have been carried out by the public health inspectors and any infringements of the Regulations have been reported to those concerned.

Milk samples submitted for examination during the year totalled 130 consisting of 9 samples of raw milk which were tested for keeping quality and cleanliness, and 121 samples of pasteurised and sterilised which were subjected to additional tests designed to establish the efficiency of heat treatment.

During the course of the year 93 inspections of distributors' premises were made.

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## HOUSING, SEWERAGE, PUBLIC CLEANSING, ETC.

(CONTRIBUTED BY THE ENGINEER & SURVEYOR)

### MAINTENANCE

During the past year 42,749 general repairs were carried out to Council Houses, consisting of roofs, chimneys, brickwork, paths, ceilings, fireplaces, doors, windows, fences, taps, burst pipes, and spouts.

### 'BUS SHELTERS

During the past year 12 additional shelters were erected in Horden, Blackhall, Peterlee, Murton and Cold Hesledon, bringing the total to 240.

### PUBLIC CONVENIENCES

During the year the second phase of the Town Centre Public Convenience at Peterlee was completed and opened to the public. Vandalism generally still continues throughout the area. It was necessary to close three conveniences at Horden, Blackhall and Wingate, for temporary periods of three months, but the situation has not improved. In fact, in one instance at Wingate, the damage was such that the building was eventually demolished and removed.

### SEWERAGE AND DRAINAGE

General maintenance on all the Council's Public sewers was carried out during the year, when 940 stoppages were attended to. At Dalton-le-Dale where the Haswell to the Sea 24" diameter outfall sewer suffered from mining subsidence, the temporary remedial repairs which were carried out last year in the form of 24" diameter mild steel ventilation tubes are still in existence and coping with the discharge. The third phase of coal extraction has now been abandoned; the Council has now been informed that final settlement has taken place. A scheme of relaying, therefore, has been agreed to and will shortly be submitted to the Coal Board, together with an estimated cost, for their approval. In the meantime the Coal Board has approved, in principle, a scheme submitted by the County Land drainage Officer for deepening and regrading the existing stream, to cope with the surface water during excessive storms.

### REFUSE COLLECTION

The work of the department has been carried out most satisfactorily during the year with the majority of the district having received the targetted frequency of three collections per fortnight.

Every effort has been made to give immediate attention to all complaints. During the year some 2,197,884 collections were made from houses, other dwellings and buildings in the district. This represents an average of 42,267 weekly collections.

#### DISPOSAL AREAS

Considerable improvements have been made in respect of tip control at Wheatley Hill tip with virtually the complete elimination of tip fires. Any fires which have occurred have been of no significance and have been dealt with immediately.

#### ROAD CLEANSING

A regular cleansing frequency has been given to the 212.27 miles of adopted roads and the 9,753 gullies within the district; 3.64 miles of road being adopted during the year. Immediate attention has been given to any roads where flooding has occurred.

#### LENGTHSMEN

The 10 lengthsmen located in each of the major villages within the district have continued to make a most valuable contribution to the public cleansing services.

#### PUBLIC CONVENIENCES

Daily cleansing of all the conveniences in the district has been carried out and all 'bus shelters received regular attention by the department.

#### SALVAGE

A total of 603 tons 5 cwts. of waste paper, fibreboard, etc. was collected and sold to Thames Board Mills Limited, the revenue from which amounted to £6,909.04.

#### DUST BINS

During the year 293 private dust bins were sold and 529 were issued to Council house tenants.

#### TRADE REFUSE

Trade refuse was collected during normal rounds and annual accounts submitted. A charge of £2 per annum per bin on a three collections per fortnight basis was charged.

#### IMPROVEMENT PROGRAMMES

Improvements to houses Type A31/A30. In November the improvements to the 342 pre-1939 two bedroomed houses were completed, 116 being completed during the year. These improve-

ments included providing outbuildings to the rear containing bathroom and lobby, enlargement of the kitchen, replacement of combination ranges by Nu-View open fires and the provision of central heating.

#### COUNCIL HOUSE DEVELOPMENT

The construction of new houses to accommodate families from slum clearance areas in the Council's district continued throughout the year and a total of 109 houses have been completed and occupied.

The total now owned by the Authority at 31st December, 1970, is 8,572.





intention and left in equilibrium with the water. The water was then poured off and the residue was dried in a desiccator over phosphoric anhydride. The residue was then weighed and found to be 0.1000 g.

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William Barlow & Son, Ltd.,  
Hartlepool and London

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